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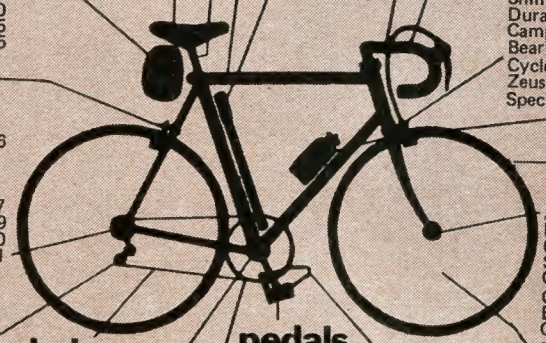
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GUARANTEED LOWEST PRICES
*FAST SERVICE *"NO-WAIT" CALLING

sports nashbar
•BIKES, KITS AND FRAMES
•RACQUETBALL
•EXERCISERS

bike nashbar™

NOTICE: If you haven't purchased from us or paid for a catalog subscription in the past year—THIS WILL BE YOUR LAST CATALOG

SATISFACTION GUARANTEED
"No Wait" Ordering (216)542-3671
Toll Free 1-800-321-2474

STOCK NUMBERS

Supplier (2) Product (1-7) Info Code

(X)□□-(K)-□□□□□□□-[X]

identifies a Sports (Ski) Nashbar supplier

identifies item as a Kit

If the Stock Number ends with an X, you must provide ALL necessary information pertaining to that part. Such information could include:

Color
Extension & Diameter (stems)
Holes (wheels and hubs)
Threads, Teeth, B.B. Width, Arm Length (cranks)
Size & Color (clothes, frames)
Length (spokes)
Model
Parts (built wheels)
Threads (headset,B.B.) or Teeth (chainrings, sprockets)
Size (seatpost, clothes, rims, tires, toe clips, frames, bearings and width of handlebars)

–NOTICE–

Processing of RETURNS takes about 2 WEEKS.....DO NOT SEND NEW ORDERS along with returns—Send separately.

PLEASE USE ORIGINAL PACKAGING WHEN SENDING BACK YOUR RETURNS.

NOTICE: MAILING LISTS

Occasionally we make our customer list of names and addresses available to carefully screened companies and organizations whose products and activities might interest you. If you prefer NOT to receive such mailings, please send a copy of your mailing label and advise us to that effect.

NOTICE

IF YOU HAVEN'T PURCHASED FROM US OR PAID FOR A CATALOG SUBSCRIPTION IN THE PAST YEAR—THIS WILL BE YOUR LAST CATALOG

10% RESTOCKING FEE

will be applied to merchandise returned without Satisfactory Explanation and a Copy of the Original Order.

SATISFACTION GUARANTEED

Return any item to us within 10 days, unused, with proof of purchase and we will gladly refund your money. SPECIAL ORDER & CLOSE-OUT ITEMS ARE NOT INCLUDED.

ordering by phone



"No Wait" Ordering (216)542-3671

Toll Free 1-800-321-2474

We will assist you in ordering and ship your order Mastercard or Visa the same day or the next morning (may be longer during peak periods).
NO COLLECT CALLS, PLEASE

NO C.O.D. accepted

The cost to us because of refused shipments has become too great.

MasterCard VISA

GUARANTEED LOWEST PRICES

If any IN-STOCK ITEM is sold for less in any CURRENT national catalog or publication, we will sell that item for 5¢ under their price. IDENTIFY ITEM & PUBLICATION AT THE TIME OF ORDERING. (Not included are Special Order & Mfg. Close-out Items).

changes

Due to our immediate processing of orders, it is difficult to make any changes until you actually receive your order.

problems

AND WHAT TO DO

We are sorry but a small percent of our orders do go astray. Here's what you can do to help us correct the situation.

DO NOT CALL ! It will take a while to find the problem and the call will be expensive.

1. **If you have not received your order at all** (after a reasonable amount of time)
   a) **Did you send a personal check over $50?** We have to hold your order for three weeks for the check to clear the bank.
   b) **Did you include your complete address?** We get several orders a day that do not have an address on their order. Addresses on the envelopes or checks do not reach the shipping department. If you think this may be the probelem-**See D below.**
   c) **Did you order a special order item?** A few items (as listed) in the catalog are special order and hold up the entire order two to three weeks.
   d) **If none of the above apply**--send us a copy of your order (a quick note will work). Indicate what you ordered, the approximate date, how it was ordered (mail or phone); and how it was paid for (check, money order or credit card). With this information we can locate and process your order immediately. **Be sure to include your complete address.**
2. **If you received your order,** the first thing to do is read over your packing slip. See if the codes indicated in the left hand column explain the situation. If not, read on.
   a) **Were you sent the wrong item or wrong size?** If we made the mistake, mail us the item, packing slip and order form, with a note indicating the problem.
   b) **If you ordered wrong**--you may return the undamaged item to us by insured parcel post for exchange. Be sure to include re-shipping charges.
   c) **If we omitted an item you paid for or if you got an additional item or a complete package that you didn't order:** send back the package, packing slip and your order form with a note indicating the problem. We will immediately send you what you want.
   d) **If your order was damaged in shipment,** accept the order. PLEASE REPORT THE DAMAGE AT ONCE TO THE LOCAL UPS OR POST OFFICE. You must hold the original carton and damaged merchandise for inspection-otherwise no claims can be honored.

FACT: OUR NAME BRAND PRODUCTS (Bike Warehouse, Bike Nashbar, Nashbar Road/Tour/CE) are made by big name manufacturers--they require us to use our own name in order to discount the product as much as we do.

our policy

All items in this catalog are new & guaranteed to be free of defects. Unless the defects were caused by the customer, we will replace the item. We will not be liable for consequential damages, transportation costs or labor charges related to claims.

All orders (in stock) we try to ship the day received. If we are out of an item, and expect to receive it soon, we will hold up your order for 21 days. If the item doesn't come in, we will ship the balance of order.

Order now. Quantities limited. Due to irregular supplies, we may have to substitute merchandise of equal quality. Please state substitutes in size, type or color.

On orders marked RUSH in-stock items only will be shipped.

Due to suddan cost changes beyond our control, we reserve the right to change prices without notce. However, our profit margin is always kept to a minimum.

'store'policy

We must follow our MAIL ORDER format in the store so that we can GUARANTEE the LOWEST PRICES in the country—

1. Please take a catalog, clipboard & order form.
2. Read the catalog!!! Most questions can be answered by reading the item descriptions. We cannot answer questions or demonstrate merchandise.
3. Completely fill out your order form (except totals). A $5 minimum and sales tax applies to all orders.
4. Ring service bell to have your order filled.

mail order payment

We accept Personal Checks (under $50), Money Order, Mastercharge or Visa. Ohio Residents add Current Sales Tax.

Personal check orders over $50 will be held for 3 weeks to insure that it has cleared the bank.



If you would like to give a bicycling gift but are not sure what would be most appreciated, use our Gift Certificate. Just call or write—tell us the recipient's name and address and how much you want to send (include your credit card number and expiration date). We will send a catalog and the Certificate to the recipient on your behalf. BN-GC

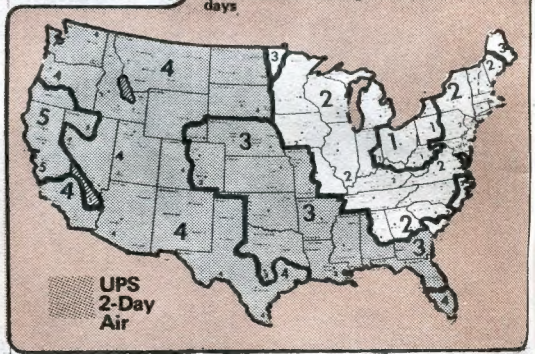
UPS delivery days

We try to ship in-stock items the same day and should arrive in the number of days indicated on the map. Please note that UPS does not deliver on Saturday or Sunday.

Hawaii (Oahu) and Alaska (Anchorage area) Blue Label Service by Ground/Air in 4 or 5 days

OUTSIDE THE CONTINENTAL U.S.A.....

No COD. Maximum size is 72" length & girth. That means no rims, wheels, MTD rollers, frames, buggers, Bike Porters or skis. Maximum weight is 35lb. All shipments go Parcel Post. No air Parcel Post. You are required to pay duty and tax on receipt. Notify Customs if you have a return in order to avoid double duty.



Name
Address
City State Zip

Name
Address
City State Zip

If you would like us to mail a catalog to some of your friends just list their names and addresses on these labels and include them with your order.

NEW ADDRESS

Name
Address
City State Zip

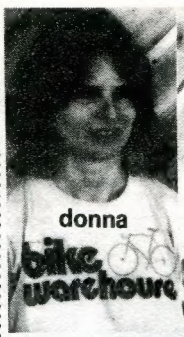
OLD ADDRESS

Name
Address
City State Zip

CHANGE OF ADDRESS--Moving soon? To receive a current catalog at your new address-fill out the 2 labels above, 1 with the new address and 1 w/your old address. Include both labels w/your order.

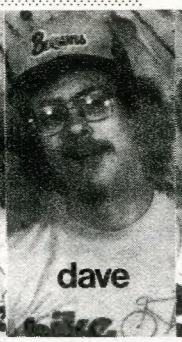
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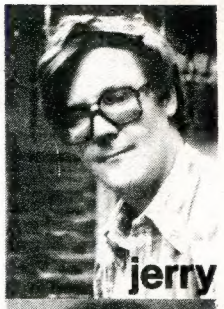


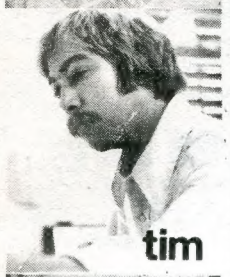


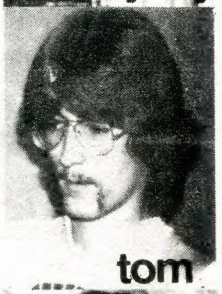












1. Have you specified color/sizes/threads?
2. Have you signed & enclosed check or money order?
3. Have shipping charges been included?
4. Is your name & address (including zip) clear and complete?
5. Are substitutes listed?

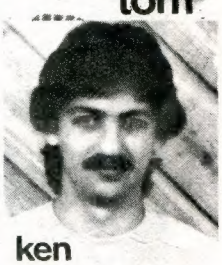
CATALOG 27–This Catalog will be out of date with Catalog 28 - Please send **BN-CAT 50¢** (to cover postage & handling) for the next catalog; or send **BN-4CAT $1.50** for the next 4 catalogs.



NOTE: Fold up Check or M.O. while folding Self-Mailer so it is held securely.

NO STAPLES PLEASE





5.Fold Under & Seal

1.Tear Out

2.Insert Amount & Fold Under • No Tape

3.Fold Under • No Tape

Place Stamp Here



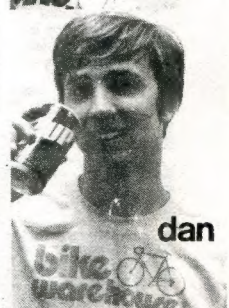


27

bike nashbar

215 Main St., P.O. Box 290,
New Middletown, Ohio 44442





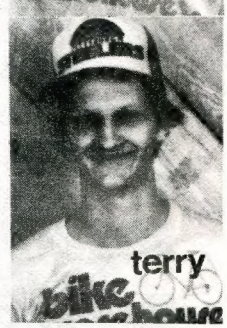
RUSH–CATALOG ORDER

Tape Here Only

No Tape • No Tape

4.Fold Under

















bike/sport nashbar™

215 Main Street, New Middletown, Ohio 44442

☐ MasterCard ☐ Visa ☐ Check ☐ M.O.

Card Number _____ – _____ – _____ – _____

IMPORTANT: Customer No. (from address label) _____

MC Bank No. _____ Good Thru ____/____

Day Phone ( ) _____ Eve. Phone ( ) _____

Cardholder Signature _____

Name _____

Address _____

City _____ State _____ Zip _____

1. In what magazine did you first see our adv.? _____
2. What other items should we handle? _____
3. Why do you buy from us? _____
4. What can we do to improve? _____

Please fill out ▲ PLEASE PRINT DO NOT FILL IN SHADED AREAS

SELF-MAILER— See Steps 1 thru 5 on Reverse

PLEASE SPECIFY SUBSTITUTES (Especially if your order is small)

	Stock Number	Size/Color	Unit of Measure	Description	Sub 1	Sub 2	Quantity Ordered	Picked	Checked	Price Each	Total Price
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

Please send me your next four Catalogs, **BN-4CAT $1.50** (Outside U.S.A. **BN-FCAT $3.00**) as they are published — **$1.50**

EXTRA CATALOGS FOR MY FRIENDS (one comes with order) → BN-CAT **FREE**

PAYMENT BY ☐ Personal Check (up to $50 only) ☐ Money Order ☐ Visa ☐ Mastercard Fill out Above Form | **DATE** ____/____/____

Merchandise Total	
Sale Tax 5½% (Ohio only)	
Shipping - See Below	
Credit Slip (subtract)	
TOTAL	

ordering by phone

"No Wait" Ordering

(216) 542-3671

Toll Free

1-800-321-2474

We will assist you in ordering and ship your order Mastercard or Visa the same day or the next morning (may be longer during peak periods).

NO COLLECT CALLS, PLEASE

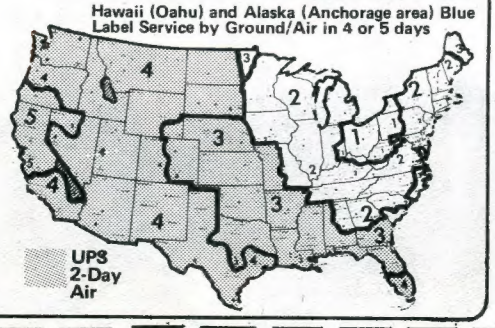
NO C.O.D. accepted

SEE OUR POLICY IN CATALOG 26

UPS delivery days

we try to ship in-stock items the same day & should arrive in the number of days indicated on the map.
Note that UPS does not deliver on Saturday or Sunday.

Hawaii (Oahu) and Alaska (Anchorage area) Blue Label Service by Ground/Air in 4 or 5 days



SHIPPING—Charges Estimated

Amount of Order	Handling and UPS Shipping 1-5 Days	Alaska Canada Hawaii	UPS 2-Day Air (Western States) In-Stock Items Only
UP TO $15.00	$1.95	$3.95	Actual Shipping Charges are C.O.D. Order & Fee ($2.50) is Paid in Advance
$15.01 - $50.00	$2.95	$5.95	
$50.01 - $100.00	$3.95	$7.95+	
OVER $100.00	$4.95	$9.95+	

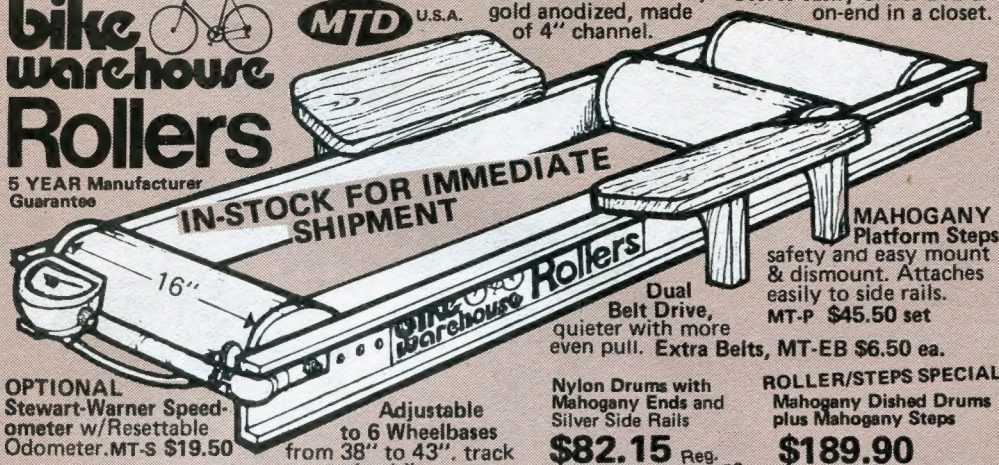
For Overseas Shipments: Please check with your postal authorities for shipping rates, then send an overestimated amount. **NO AIRMAIL OVERSEAS**

bike warehouse Rollers

Manufactured by MTD U.S.A.

5 YEAR Manufacturer Guarantee

IN-STOCK FOR IMMEDIATE SHIPMENT



Aluminum Side Rails, gold anodized, made of 4" channel.

Stores easily under bed or on-end in a closet.

MAHOGANY Platform Steps, safety and easy mount & dismount. Attaches easily to side rails. **MT-P $45.50 set**

Dual Belt Drive, quieter with more even pull. **Extra Belts, MT-EB $6.50 ea.**

OPTIONAL Stewart-Warner Speedometer w/Resettable Odometer. **MT-S $19.50**

Adjustable to 6 Wheelbases from 38" to 43", track or touring bikes.

Nylon Drums with Mahogany Ends and Silver Side Rails
$82.15 Reg. $86.50
MT-2

ROLLER/STEPS SPECIAL
Mahogany Dished Drums plus Mahogany Steps
$189.90
MT-5

WHY USE ROLLERS OR WIND SIMULATORS ?

- ***Great Exercise** - keep in shape during bad weather and darkness,
- ***Great for Weight Control, Cardiovascular Development and General Physical Fitness.**
- ***Easy to Ride** - low center of gravity. Support yourself in a doorway for first 15 minutes then ride like a pro.
- ***Improve Balance, Cadence, Rhythm and Stamina.**

Here comes someone towards the booth!!! This elderly gentleman informs me that his father had once been preside ent or road captain of the Youngstown bike group years and years ago. Then he said, "Why, I just bicycled to the Florida Keys myself." How wonderful I say.Then he adds, "By exercycle !"

This sounds rather interesting so I urge him to continue. Mr. Jones exercises almost daily on his exercycle right in his own home. Next to the cycle, he has a map on which he marks off the miles ridden. As he rides through an interesting area or town, he grabs that volume of his encyclopedia and reads about that area. What a wonderful way to travel and learn all at the same time.

From **"Spoken Wheel"**
Stark County Bike Club

roto FOLDING Rollers

ITALY

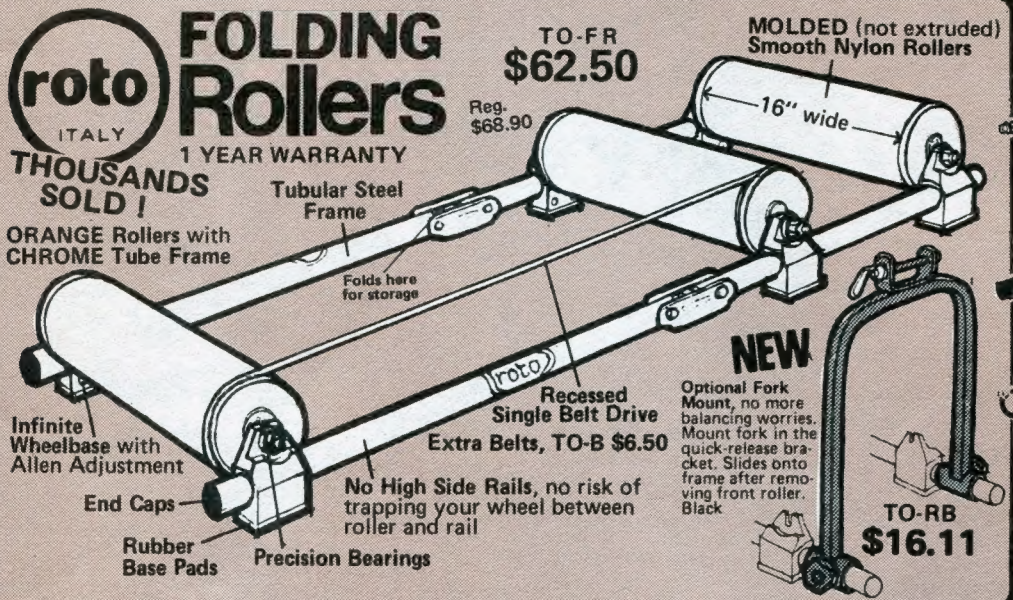
1 YEAR WARRANTY

THOUSANDS SOLD !

TO-FR
$62.50
Reg. $68.90

MOLDED (not extruded) Smooth Nylon Rollers

16" wide



Tubular Steel Frame

ORANGE Rollers with CHROME Tube Frame

Folds here for storage

Recessed Single Belt Drive

Extra Belts, TO-B $6.50

Infinite Wheelbase with Allen Adjustment

End Caps

Rubber Base Pads

Precision Bearings

No High Side Rails, no risk of trapping your wheel between roller and rail

NEW

Optional Fork Mount, no more balancing worries. Mount fork in the quick-release bracket. Slides onto frame after removing front roller. Black

TO-RB
$16.11

LIMITED SUPPLY !

Made in U.S.A.

TurboTrainer Exercise Stand

- *Indoor Training
- *Warming up at rides and races
- *Repair Stand

SK-TT
$149.90



Skid-Lid

Variable load resistance provided by the TurboFans & shifting the gears.

All steel construction with inert gas welds. Adjusts to 24-27" wheel bicycles. Quick-assembly telescoping design. Adjustments made with only a crescent wrench & included allen wrench. Precision machining & sealed bearings make the fan assembly smooth operating. Powder paint and chrome finish. Weight: 13 lb.

RACER-MATE

RACER-MATE II TURBOFAN

Simulates Road AND WIND Resistance

THE HARDER YOU CRANK, THE MORE LOAD YOU CREATE

RM-2
$108.95



BEST VALUE !!

Precision ground stainless steel shaft with double sealed ball bearings. Features unique twin beam, triple cross-bar construction for unmatched stability. The turbofan mounts directly to the training stand. Mounting your bike by the fork is quick and convenient with the use of the Huret wing nuts. No need to remove fenders or racks. Now you can undergo a scientifically designed, clinically controlled training program that provides optimum aerobic and anaerobic conditioning.

Made in U.S.A.

NEW

Monitor, gauges your progress in **Horsepower and Miles Per Hour,** two essential pieces of information you need for a thorough workout.
RM-M $73.80

NEW OMAS WIND TRAINER EXERCISE STAND

Made in ITALY

- *Indoor Training
- *Warming up at rides and races
- *Repair Stand

IF-WT
$119.95



May not be exactly as shown

Converts your bike into a sophisticated training machine. All steel construction. Precision sealed bearings make the wind-load fan assembly smooth running and maintenence free. Quick assembly and adjusting to any size wheel bicycles due to the telescoping design. Quick-release fork mount. Chainstay clamp for added stability. Allen bolt adjusting. Suitable for 10-spd. or BMX-type bicycles.

LIMITED SUPPLY !

"I acknowledge the great service I have recieved," J.L., Northglenn, CO.

Our Label appears on all our clothing

bike warehouse

Touring Jersey, Acrylic/Nylon blend with 10% Wool added to wick perspiration away from the body. 1 button 1¼" placket. Medium-sized white collar. Double-rib knit sleeves and collar. 3 double-layered rear pockets. Guaranteed 2 years against materials, workmanship and color fastness. **Color: Navy body with World Champion stripes. Sizes: XS,S,M,L**

BW-TJ-X $19.50 ea.

Sport Jersey, acrylic/Nylon blend with 10% Wool added to wick perspiration away from the body. Short sleeves. High, double-rib knit zippered collar. Rib cuffs. Stripes on cuffs and collar match chest stripes. 3 double-layered rear pockets. Guaranteed 2 years against materials, workmanship and color fastness. **Sizes: XS,S,M,L Colors:**

Red body w/World Champion stripes; Yellow body w/Rainbow stripes; Silver Grey body w/Rainbow stripes

BW-SJ-X $19.50 ea.

SEASON CLOSEOUT—Lower Prices !

bike warehouse

We think we have the ideal material for biking shorts. Made from a combination of 60% Cotton for softness & perspiration absorption, 30% Dacron for strength & durability and 10% Spandex with a four-way stretch for movement comfort. Reinforced zig-zag stitching. Pocket is reinforced all the way to the waist (no more torn corners). Pull cord waist (no more too tight or too loose elastic). Cord pull area is reinforced with chamois. Reverse pear-shaped chamois is extra-high in the back and specially-treated to stay soft longer even after repeated washings.

Our Shorts are also available w/ a full-length 2 color Bike Warehouse Transfer on the leg. Looks Great ! **BW-SHRBW-X $19.50 pr.**

Chamois Now 15% LARGER

Biking Shorts, perfect for touring, racing or occasional riding. **Color: Black Sizes: XS,S,M,L,XL**

BW-SHR-X $19.50 (w/out transfer)

BEST TIGHTS VALUE ON THE MARKET !

30 70 Wool/Polyester Blend

ZIPPERED CUFFS HAVE WORLD CHAMPION STRIPES !

bike warehouse

Tights, full length legs with a chamois insert so they can be worn with or without shorts. Elastic cuffs. Makes a great warm-up outfit when worn with a Bike Warehouse Jersey. **BLACK. Sizes: S,M,L,XL**

BW-TGS-X $27.50

bike nashbar

NEW

AERO Skin Jersey, designed to fit the cyclist in the riding position. 4-way stretch nylon/Lycra. Short sleeve. High zippered collar. 2 rear pockets. **Sizes: S, M, L Color: Red**

BN-LJ-X $24.90

AERO Skin Shorts, 6-piece design. Form-fitting nylon/Lycra. Exclusive neopreme pad under the finest "Supersham" chamois. Elastic waist. 1 rear pocket. **Sizes: S, M, L. Colors: Hi-sheen Black, Royal Blue, Red**

BN-LS-X $24.90

NEW

AERO 1-piece Skin Suits, engineered for reduced wind resistance and maximum moveability. Short sleeve design. Super stretch nylon/Lycra. Neopreme/"Supersham" crotch. Full zipper. **Sizes: S, M, L. Colors:** Yellow with hi-sheen black 'shorts'; or **Royal Blue with Green/Red/Yellow side stripes** with hi-sheen black 'shorts'.

BN-SS-X $48.50

Bike Warehouse/Patty Kits			Lycra/Polypropylene		
	Jerseys	Shorts/Tights	Jerseys	Shorts	Suits
XS	26-29	25-27			
S	30-33	28-30	34-38	24-28	24-28
M	34-37	31-33	38-42	28-32	28-32
L	38-42	34-36	42-	32-38	32-38
XL	43-47	37-39			

NOTE: Lycra has tremendous ability to stretch. Sizing can run smaller & larger than chart

Protogs

- *100% Merino Wool
- *Does not itch
- *Machine Washable
- *Machine Dryable
- *Never clammy
- *Evaporates moisture
- *All-weather comfort
- *Moth-proofed
- *Dual-stitch construction

Cycling Shorts, made of ultra-soft, "no-itch" 100% Merino Wool for comfort and wear. Wool regulates your body temperature by absorbing moisture, avoiding that clammy feeling, even when wet, for year 'round comfort. Constructed to last--they're double-seamed to prevent splitting. Chamois crotch liner. Convenient small rear back pocket. SUPERWASH Merino Wool fabric does not retain a perspiration odor or a perspiration stain. SUPERWASH means that these shorts are the easiest to care for and still maintain their original shape—just toss them into the washer and dryer and they're good as new. **Color: Black only. Sizes: XS,S,M,ML,L,XL**

PR-WS-X $34.95

SUPERWASH

PROTOGS SIZING CHART	
XS/28 - 30	ML/34 - 36
S/30 - 32	L/36 - 38
M/32 - 34	XL/40 - 42

Arm and Leg Warmers, 100% Merino Wool. **Arm Sizes: 1 Size fits all. Leg Sizes: Normal** (up to 5'8") **Long** (over 5'8")

PR-AW Arm Warmer, $11.10 pr.

PR-LW-X Leg Warmer, $14.20 pr.

Tights, 100% Merino Wool. SUPERWASH. Double-stitched. No crotch liner. Zippered cuffs. BLACK. **Sizes: XS,S,M,ML,L,XL**

PR-WT-X $38.90

Protog Jersey (neck size)	
S	14-14½
M	15-15½
L	16-16½
XL	17-17½

NEW

Protogs Long Sleeve Jersey, 100% Merino Wool. **Sizes: S, M,L,XL. Red. PR-LJ-X $34.95**

"No Wait" Ordering (216)542-3671 • Toll Free 1-800-321-2474

"Your company has really got some good deals," R.W.

SERGAL

of MILANO, ITALY



Wool Jerseys, 100% virgin wool affords you maximum comfort in hot or cold weather. Short sleeves. Double-rib knit striped sleeves & zippered collar. Rear pockets. **2 Stripe Styles: Royal Blue body w/Red & White side stripes; or White body w/World Champion stripes.**
Sizes (in): 1(34),2(36),3(38),4(40),5(42),6(44)

SG-WJ-X $34.50

Cotton Shorts, long-wearing 100% cotton knit. Durability tested for wear and easy care. Keeps you cool in the hottest weahter. One rear, buttoned pocket. Premium chamois liner. **Color: Black**
Sizes (in): 1(28),2(30),3(32),4(34),5(36),6(38)

SG-S-X $17.50

PARTY KITS



Complete Bicycle Clothing Kits for the DO-IT-YOURSELF Home Sewer.

Biking Jersey, 100% cotton Perma-set knit. Short sleeve raglan style with zipper neck and double thick rear pockets. Multi-stripe front. **Sizes: S, M, L, XL**
Colors: Red & White on Navy; or Red & White on Gold

PK-J-X $12.50 each kit



Biking Tank Top, great for hot weather biking and summer wear. 100% Cotton Perma-set knit. Multi-stripe front with double thick rear pockets. **Colors: Navy with Red and White; or Orange with Yellow and White.**
Sizes: S,M,L,XL

PK-TT-X $8.95

Biking Shorts, featuring first-quality, soft polyester no-run wonder knit. No-roll, wide elastic and super soft, super absorpant, anti-bacterial fleece liner (recommended by Dr. Eugene Gaston, Bicycling Magazine). Rear pocket. **Color: Black**
Sizes: XS, S, M, L, XL

PK-S-X $9.95 each kit

cannondale

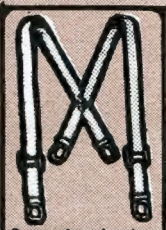
Cycling Shorts, designed to combine styling with comfort and function. Shorts are made of a 50/50 blend of Cotton and Polyester. Saddle-cut, sewn-in fleece liner. Elastic back, single-snap waist, zippered fly and side cargo pockets with snap closures (mens pockets are gussetted, womens are flat). Full-cut legs with side vents for maximum freedom of movement.
Colors: Dark Blue or Camel

Great for any Active or Leisure Wear



Sizes: Mens 28,30,32,34,36,38,40
Womens 6,8,10,12,14,16

CD-MCS-X Mens, **$26.90**
CD-FCS-X Womens, **$26.90**



Suspenders, for that European Continental look. They hold up your shorts or tights in the extreme bent-over position as in sprinting. **Black**

AW-BS $3.90



Acrylic Pile Liner, soft, absorbant, anti-bacterial liner for shorts is pre-cut, pre-shaped.

PK-PL $3.25

NEW **BAUSCH & LOMB**

Traditional Style **MIRAGE**

RB-M $14.93 Sugg. Retail $24.95



Mirage Sunglasses, CR-39 optically correct plastic lens. Distortion free vision. Glare is blocked....Ultraviolet radiation is checked....Eyestrain & fatigue are eliminated. Prescription quality frames with adjustable nose pads & temples for outstanding comfort.

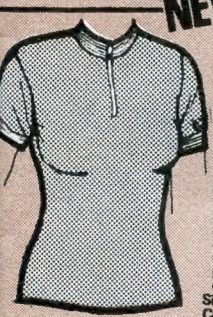
"Outdoorsman" ARISTA Sunglasses



RB-A $38.70

Gold frames with Ambermatic lenses which change color and density in response to light & weather conditions. In overcast, they're amber to cut through haze; in warm sunlight they turn dark brown to block glare; & in cold sunlight they turn dark grey for superior protection. Wrap-around ear rests hold firm-perfect for active people.

NEW **bike nashbar**



Polypropylene Jersey, 100% 8 oz. interlock polypropylene fabric. The best thermal insulator in maintaining body temp. Warmer in winter/Cooler in summer. Transports moisture & perspiration away from the body. Non-allergenic. Hifhly abrasion-resistant. Color-fast. Superior stain resistance. Fast drying. Zippered collar, 2 rear pockets. **Rainbow stripes on collar and cuffs.**
Sizes: S, M, L, XL
Colors: Royal Blue or Wine Red (with Rainbow stripes)

BN-PPJ-X $21.80

NEW



Cycling Gloves, handmade in Pennsylvania. Hand-crocheted 100% cotton back. Top-quality glove leather with fewer seams & carefully designed padding (thumb area, too) offers greater protection and comfort. Velcro wrist closure. **Measure around palm for size.**
Sizes: P,S,M,L,X,J

CD-CG-X $25.40

NEW



Cycling Jersey, 100% cotton knit. Zippered front with a rib-knit collar. Extra-long cut, hemmed sleeves and an embroidered Cannondale logo. Zipper & collar are in a contrasting color to the body.
Colors: Yellow or Blue
Sizes: Mens S,M,L,X
Womens S,M,L

CD-CJ-X $16.95

SIZING CHART	Size	JERSEYS Mens	JERSEYS Womens	GLOVES
	P			6 - 6½
	S	34 - 36	6 - 8	6½ - 7½
	M	38 - 40	10 - 12	7½ - 8
	L	42 - 44	14 - 16	8 - 9
	X	46 - 48		9 - 10
	J			10 - 10½



Chamois Pad Replacement, pre-cut and shaped chamois pad to replace the worn out pad in your favorite shorts or tights. Cut extra-hi in the back for maximum coverage. One size only.

BN-RC $8.95



Bike Nashbar Cap, 50/50 Polyester-Cotton. **White with Orange graphics, Rainbow Stripes.**

LIFETIME REPLACEMENT GUARANTEE-whenever your Bike Nashbar Cap wears out, return it to us and we'll replace it FREE.

BN-CAP $2.25



Deluxe Striped Headbands, keeps your hair in place and perspiration out of your eyes. Super-absorpant terry material. **Assorted Colors.**

FA-SB 75¢ ea.
3 for $2.15



VELCRO TROUBLE BANDS, rainbow-colored. Velcro closure holds secure. U.S.A.

WI-V 80¢ each
10/$6.90

bike nashbar



Cycling Gloves, top quality, natural tan leather with a large suede palm and thumb area over an improved padding-denser foam is a full 1mm thicker. 100% cotton **hand-crocheted** back and thumb with rainbow stripes across the back. Wide, Velcro wrist closure. **Sizes: XS, S, M, L, XL**

BN-CG-X $8.70 pair

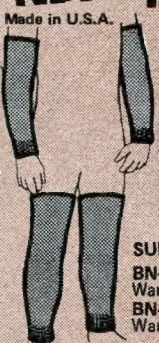
NEW IMPROVED



Measure around palm for Size
6/XS, 7/S, 8/M, 9/L, 10/XL

NEW **bike nashbar**

Made in U.S.A.



Arm and Leg Warmers, a blend of 60% cotton for softness and perspiration absorption, 30% Dacron for strength & durability, & 10% Spandex for stretch. Elastic at the tops to keep from slipping. **Black.**
Sizes: S,M,L

SUPER VALUE !

BN-LW-X Leg Warmers, **$9.99 pr.**
BN-AW-X Arm Warmers, **$7.99 pr.**

Campagnolo Jersey, 100% nylon/10% Lycra Spandex fits like a second skin. Highly elastic-moves with every motion of the rider. Zippered. Hemmed sleeves. Rear pockets. Campy logo silk-screened on front & back. **Color: Yellow w/Black**
Sizes: S, M, L

BN-PJ-X $29.95



Colnago Wool Jersey, short sleeve. Ribbed cuffs and high, zippered rib collar. Buttoned rear pockets.
Sizes: 1(34) 2(36) 3(38) 4(40) 5(42) 6(44)
Assorted Colors **CO-JER-X $34.00**

we try to ship same day

"Your '800' phone service and your speed in processing & shipping orders have improved 1000%!" H.H., Charlotte, N.C.

bike warehouse poncho

Complete with Stuff Sack

BW-P 1/$17.75, 3/$46.50

LARGER One Size Fits All

Bright Yellow Urethane-coated Nylon

Wide 1" Elastic Collar with 7 Hood Snaps

7-Snap Detachable Hood with Drawstring

Wrap-around Front with Velcro Closure to protect neck

Long 9" C&C Zipper makes putting on and taking off easier and provides extra ventilation

Open on the sides for arm use and ventilation

Bikeware Label

Weight: 8 oz.

Double-Snap Closures for Riding

Longer Leg Loops can also be worn around the waist. These keep the poncho from flapping or riding up your back

Double-stitch French Seams

Elastic Thumb Loops hold the poncho forward over handlebars keeping hands dry

Poncho comes with matching Urethane-coated Stuff Sak — Fits in any bottle cage

Booties, keep your feet dry on wet days-warm on chilly days. Yellow Urethane-coated nylon. Elasticized ankle. Full-length rear C&C zipper w/rain flap. Reinforced stitching throughout. Nylon reinforced vinyl sole.

BW-BO-X $8.95

CAN BE CUT FOR CLEATS

Order Booties by Mens/Womens Shoe Sizes

rain chaps

Yellow Urethane-coated Nylon. These chaps are cool because there is no material above the thighs. Elastic Belt or Leg Loops enable chaps to be used even if you have no belt loops. Cuff Snaps. One Size Fits All. Matches the Bikeware Poncho.

BW-CH 1/$6.75, 3/$16.70

bike warehouse T-shirts

Hi-crew neck, full cut. 50/50 Polyester/Cotton. ADULT shirts have large dark blue transfer on the front and a large Bike Warehouse transfer on the back.

*These are Mult-color Transfers

All our Shirts are U.S.A. made

SPECIFY SHIRT COLOR: Powder Blue, Natural Beige, Light Yellow.

Adult Sizes— S, M, L, XL

NOTE: T-shirts are made per order about once a week and may hold up your order up to one week.

BW-K-SDA-X Dura-Ace, $6.04
BW-K-SSH-X Shimano, $6.04
BW-K-SSU-X Sugino, $6.04
BW-K-SCN-X Colnago, $6.18
BW-K-SR5-X Reynolds 531, $6.18
BW-K-SR7-X Reynolds 753, $6.00
BW-K-SSP-X Superbe, $6.04
BW-K-SCU-X Columbus, $6.00
*BW-K-SCY-X Cyclists, $6.36
*BW-K-SBI-X Bicyclists, $6.22
*BW-K-STC-X Tall Cyclists, $6.18
*BW-K-SPP-X Pink Panther, $6.19
*BW-K-SBY-X Bicycling, $6.19
*BW-K-SWW-X Woodpecker, $6.49
*BW-K-SBW-X Bike Warehouse, $5.06

BELL HELMETS

Lexan outer shell, light enough for the competition rider, yet strong enough in greater thicknesses to be used by police for protection against bullets. Polystyrene beaded liner.

Unique scoops front and rear duct cooling fresh air to your head and then allow it to escape. This, coupled with moisture evaporation (accumulated naturally or added to the sizing pads) provides a very effective means of cooling.

Developed in cooperation with 3M, highly refective red stripes in a 'V' configuration compliment the white helmet.

The Sizing/Comfort Kit with pads provided in varying thicknesses lets you custom fit your helmet. For ease of replacement, the pads are attached to the polystyrene liner with Velcro fasteners.

'BIKER' HELMET, designed by Bell Helmets, a leading manufacturer of protective head gear for motorsports, The 'Biker' meets four critically important design paramenters: **Optimum ventilation and heat dissipation; Minimal weight; Unobstructed visibility; and Exceptional rider protection.**

Each helmet is Serial-Numbered. BH-B-X

2 Sizes: S (6 7/8 - 7 1/8) L (7¼ - 7¾)

$31.50

After prolonged use and cleaning, you may wish a fresh Sizing/Comfort Pad Kit. **Specify for S or L size helmet.** BH-P-X Pad Kit, $5.00

'TOURLITE' Helmet, high-impact outer shell and expanded polystyrene inner liner. Aerodynamically-designed air inlets channel a flow of cooling air. Tinted visor adjusts to 5 positions. 3M Scotchlite reflective striping for looks and night visibility. Simple, quick-release buckle. Soft, chamois-like brow pad absorbs perspiration. Foam mesh panel keeps hair out of air vents. Comes with Sizing Pad Kit for tailor fit.

2 Sizes: A (6 7/8 - 7 1/8) B (7¼ - 7¾) BH-TL-X $39.90

2 Colors: White or Black

Replacement Pad Kit, Specify for A or B size helmet, BH-TLP-X $5.00

BELL HELMETS

"Mini-Mite" Childs Helmet, ABS outer shell. Velour chin strap for comfort. Passes the same testing as the adult Bell helmets. 3M reflective striping. Adjusts to fit ages 3 - 5 years. Sizing kit is included. BH-MM $28.50

cinelli

NEW LOWER PRICE

CI-RH-X $16.20

Racing Helmet, lightweight, extra thick padding protects the head in a fall. Special temple protector. **Black.**

Sizes: 55, 56, 57, 58, 59, 60, 62

SIZING CHART		
cm	inches	size
55	21 5/8	6 7/8
56	22	7
57	22 3/8	7 1/8
58	22 ¾	7¼
59	23 1/8	7 3/8
60	23½	7½
62	24¼	7¾

Helmet Cover, keeps rain and cold out of the helmet air vents. Fluorescent orange, breathable, water repellant nylon. Elasticized stretch opening. Fits: Bell, MSR and Kunoh. BW-SHC 1/$2.35, 10/$19.80

Deluxe Helmet Cover, Urethane-coated nylon. Totally waterproof. Elastic stretch opening. Has the Bike Warehouse label. Bright Yellow. Matches the Bike Warehouse Poncho and chaps. BW-DHC 1/$3.95, 10/$36.20

NEW Lifetime Replacement

Bike Nashbar Cap, 50/50 Poly/Cotton. White with Orange. Multi-color stripes. BN-CAP $2.25

Columbus Cap, 100% Cotton, White with Blue/Red logo & World Champion stripes. RO-CAP $2.95

Benotto Cap, 100% Cotton, Yellow w/ Blue lettering and stripes. BE-CAP $2.95

Cinelli Cap, 100% cotton. White w/ mult-color logo & world Champion stripes. CI-CAP $2.95

Brooklyn Cap, 100% cotton. Navy w/white letters. Red/white stripe. BW-BRC $2.95

Clement Cap, 100% Cotton, White w/Black letters. Black & Yellow stripes. CL-CAP $2.95

Campagnolo Cap, 100% Cotton. Poly-fiberfill. CA-CAP $2.95

Colnago Cap, 50/50 Poly/Cot Blue/White/Yellow. CO-CAP $2.95

Shimano Aero Cap, 50/50 cotton/polyester. White w/Blue lettering. Multi-blue stripe. SH-CAP $2.95

TI Reynolds Cap, 50/50 cotton/polyester. Yellow w/Black lettering. Multi-blue stripe. TI-CAP $2.95

NEW

Polar Cap

from BAILEY BIKEWORKS

Helmet Liner, double-thick cotton/poly knit. Poly-fiberfill in ear areas. Machine wash & dry. 54G. Color matches Bell helmet red. **Fits Bell Biker, Tourlite or MSR.**

Specify: Bell Biker, Tourlite or MSR helmet

BH-HL-X $15.25

CYCLOPS

NEW

Brake Mounted

Wrist Mounted

Cyclops Bike Mirror, extra-wide vision field. Black Velcro band for mounting to wrist or brake. Adjustable, 14G. Injection molded, chrome-plated convex mirror. Silver reflective disc on front side for added safety. BN-CY $2.95

EYEGLASSES 6 Grams

WITH PLEXIGLAS MIRRORS FOR SAFETY & WEIGHT

HELMET or CAP 12 Grams

NOTE: VIEWING SIDE of Mirror comes with a PEEL-OFF Protective Cover.

bike nashbar

REAR VIEW MIRROR, for helmets, cap or eyeglasses. Large, good quality mirror offers a wide viewing area. Easily adjusts to individual viewing needs. Eyeglass-mounted mirror is vinyl-coated to prevent damage to frames. **NEW wide Badge Clips** on helmet mount mirror mount easily and hold more securely. U.S.A. **Specify: Helmet or Eyeglasses.**

BN-HM for Helmets, 1/$3.75, 10/$32.50
BN-EM Eyeglasses, 1/$3.75, 10/$32.50

"Your service has been excellent," R.C.

we try to ship same day



RAINSUIT

WATERPROOF 100% Nylon Taffeta

Jacket, beautifully styled with full open front zipper and zippered neck. Two zippered pockets, hood with drawstring but detachable with a Velcro strip. Contrast visible stripe running from collar along the outer seam of the sleeves. Zipper is same color as stripe. Back is vented with nylon mesh for cool comfort. Reflective stripe across the back for nightime safety. Extra large cut.

Pants, straight tapered leg, extra large cut, high elastic waist. Can be worn over other clothing. Stripe, matching the jacket's, runs on the out-seams of the legs. Rear zippered cuffs.

Sizes: S, M, L, XL
Colors: Yellow with **Navy** stripe;
Navy with **Grey** stripe;
Grey with **Maroon** stripe

TT-RS-X $38.90 $49.00 Value

	S	M	L	XL
Top	34-36	38-40	42-44	46-48
Waist	28	30-32	34-36	38-40



bike warehouse

Booties, Yellow Urethane-coated nylon. Elastic ankle. Rear zipper. Reinforced stitching. Nylon reinforced vinyl sole. Can be cut for cleats.

Order by Mens Shoe Sizes

BW-BO-X $8.95 pr.

SPECIALIZED

SB-TW-X $7.25 pr.

Toe Warmers, for cold weather cycling. Nylon. Protect the feet from chilling effects of wind & moisture. Velcro fasteners for quick installation & removal.
Color: Royal Blue
Sizes: S, M, L



Super Stretch Sports Lace With Lok-Tie



Designed for athletic footwear. Insert laces in shoes. A unique patented Slide Lock is attached. To tighten lace, simply pull ends of laces apart & the device automatically locks. To loosen, a slide in the device is pulled. Elasticized laces. 1 Length.
Black or White

BN-SL-X $1.39 pr.

Bata

NOW IMPROVED

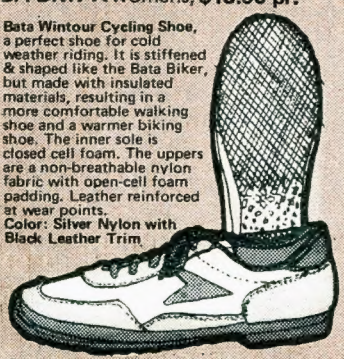


Shoe runs large- If you need ½ size, go full size smaller.

Bata Biker, a cycling "sneaker" which doubles as a comfortable walking shoe. The rubber slip-resistant sole and universal sole pattern lets you put your foot anywhere on the pedal. The pedal-proof constfuction means you won't feel pedal pressure after a day of touring. Uppers are breathable canvas. Toes and sides are rubberized and reinforced to prevent discomfort and wear from toe straps. New reinforced counter for added heel support. Long padded tongue with fold-over Bata label. Reinforced stitched side panel for additional foot containment. Reinforced and bound eyestays. Abrasion-resistant cushion insole. Heel patch and Bata flash logo on the outside quarter.
BLACK w/Yellow Patch & Logo.
Sizes: Mens 3 - 13; Ladies 5 - 13 (No half sizes)

BA-BKM-X Mens, **$15.90 pr.**
BA-BKW-X Womens, **$15.90 pr.***

Bata Wintour Cycling Shoe, a perfect shoe for cold weather riding. It is stiffened & shaped like the Bata Biker, but made with insulated materials, resulting in a more comfortable walking shoe and a warmer biking shoe. The inner sole is closed cell foam. The uppers are a non-breathable nylon fabric with open-cell foam padding. Leather reinforced at wear points.
Color: Silver Nylon with Black Leather Trim



Sizes: Mens 3 - 13; Ladies 5 - 13 NO HALF SIZES

BA-WTM-X Mens, **$30.50**
BA-WTW-X Ladies, **$30.50***

***PLEASE NOTE: The Bata Womens Shoes are actually mens shoes in smaller sizes, thus, they are wider than normal womens shoes.**



Model II Cycle-Touring Shoe, the culmination of features taken from the finest athletic and cycling shoe designs. Essential for comfortable and efficient pedaling whether you intend to bike to work or tour the entire continent. Ideal for pleasurable walking, also.

The greatest problem facing the cyclist who wears tennis or athletic shoes comes from a flexible sole which provides insufficient support under the ball of the foot, promoting excessive foot flex and painful twisting. The Model II's **Multidensity Sole,** formed of tapered spring steel and fiber laminates, insures comfort by displacing the pressure around the ball of the foot over a greater area.

Sizes: 4 to 13
Color: Silver Nylon Fabric w/Black Suede
AV-S-X $32.85 pr.

detto pietro

Hardwood Beech Sole

Superlight Shoe



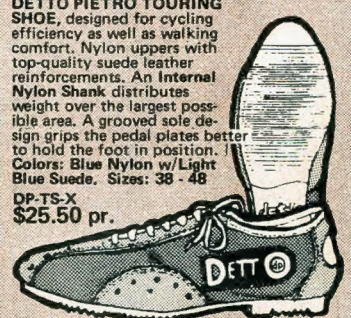
Art. 2000 Superlight Cycling Shoe,
Unique hardwood sole makes this the lightest and stiffest shoe available. Ventilated, glove-soft leather upper. Pre-mounted adjustable nylon cleat.
Sizes: 37 - 47
DP-2000-X $49.95 pr.

NOTE: Art. 74 and 2000 Shoes run narrow. If close—order next ½ size larger (US)



Detto Pietro "Article 74 Special" Cycling Shoe, a high quality comfortable leather shoe ideal for racing or touring. Comes with a durable, nylon sole. Sole has ventilation holes in heel & toe. Ventilated uppers. Pre-mounted adjustable nylon cleat is an improvement over the old aluminum cleat. Better comfort fit through wider American lasts.
Sizes: US/5½ - 12; Detto/37 - 47 **DP-74-X $32.50 pr.**
Replacement Cleats, with screws, **DP-RC $3.75 pr.**

DETTO PIETRO TOURING SHOE, designed for cycling efficiency as well as walking comfort. Nylon uppers with top-quality suede leather reinforcements. An **Internal Nylon Shank** distributes weight over the largest possible area. A grooved sole design grips the pedal plates better to hold the foot in position.
Colors: Blue Nylon w/Light Blue Suede. Sizes: 38 - 48
DP-TS-X $25.50 pr.



NEW cannondale



CD-MS-X Mens
CD-WS-X Womens
$35.50 pr.
$49.95 Value

Biking Shoes, nylon fabric uppers with suede leather reinforcements at all wear points. Sole stiffener. Reflective heel patch. Color: Navy Sizes: (in ½ sizes) Mens 5 - 13 Womens 4 - 10

new balance B



New Balance 555 Running Shoe, designed specifically for the runner who is tough on shoes, or who likes to run off-road. The shoe is combination-lasted: Conventional-lasting in the rearfoot provides the necessary stability, while Slip-lasting in the forefoot provides the flexibility & freedom needed by runners in rough terrain. **Color: Midnight Blue/Tan**

ITEM	MATERIAL	BENEFIT
Vamp	200 x 400 Nylon Mesh	High ball burst reading, extremely airy
Tip	Sweatbac Toe Cap	Controls forefoot torque; prevents breakthrough
Saddle	Flexlended Saddle	Supports longitudinal arch; allows individual tension and makes adjustment; protects against blow-out
Counter	Double Extended 60 wt. Surlyn	Medial and lateral stability and rearfoot control.
Insole	Lunaria Pillow	Base molds to individual's foot; memory foam retains its original shape and feel.
Midsole/Wedge	EVA	Firm, bouncy feel with virtually no compression set; excellent cushioning.
Outersole	Carbon Rubber Houndstooth	Maximum traction on all terrains and in all weather conditions; extremely durable and stable.

Specify Width: B (narrow) **D** (medium)
Sizes: 6 - 13 (in half sizes)
SPECIAL ORDER—14, 15, 16
NB-555-X $48.95 pr.
$52.95 Value



New Balance Rainier Hiking Boot, a world-class hiking boot designed with assistance from mountaineer Lou Whittaker. It incorporates the lightness and support of the New Balance running shoes & offers a firm foundation for those who often walk on shaky ground. A lightweight 500 denier cordura upper coated with polyurethane resists water and abrasion. A **Vibram** carbon rubber flat-head pyramid outersole rejects dirt and mud and offers unsurpassed durability & stability. An **EVA midsole/wedge** provides shock weakening and lateral motion support. Plus, there's a **PE running shoe insert.**
Sizes: (D width) **6 - 13 (in half sizes)** **NB-R-X $70.80 pr.**
$75.00 Value



New Balance Lite Hike Trail Moccasin, designed for the hiker who prefers the trails of Appalachia to the peaks of Annapuma. Features a patented saddle design for superior support and fit. Molded heel counter and EVA wedge for improved cushioning and stability. Exclusive Vibram lug outersole made of Mortlex for the same lightness, traction and durability found in popular New Balance running shoes. And a double-density PE insert makes it feel like a running shoe.
Color: Brown leather
Sizes: (D width) **6 - 13 (in half sizes)** **NB-LH-X $57.90 pr.** $62.95 Value

Wigwam



Dry Foot, 100% Olefin tube under-sock removes perspiration, passing it into outer sock. Very usefull in biking. Wear alone on hot days. White. One Size fits 9-14
WW-DF $2.20 pr.



Summit, 70% Worsted wool, 30% Nylon, lightweight foot hugger with 1x1 rib & high-splice. 11" length.
Sizes: S(7-9),**M**(9-11), **L**(11-13),**XL**(13-15)
White.
WW-SU-X $2.60 pr.

Jogger, 85% hi-bulk Orlon Acrylic, 15% Nylon. Heavy cushion-sole sock with short rib cuff. **White w/Assorted Color Stripe. Sizes: M**(8½-11), **L**(10-13)
WW-JO-X $2.40 pr.

SHOE SIZING/ CONVERSION

European	37	38	39	40	41	42	43	44	45	46	47
US Mens		5-6	6-7	7-7½	8-8½	8½-9	9½	10-10½	11	11-11½	12
US Womens	5½-6	6-7	7-8	8½-9	9½	10	10½				

"Reputable bike part names available at comp prices set you a step ahead of your competit B.T., Columbia, MO.



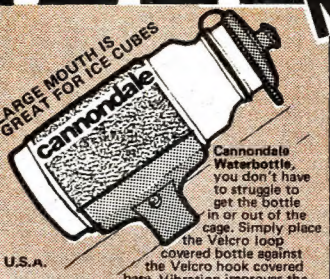
Waterbottle, a top quality bottle of lightweight plastic. Bike Warehouse logo on the sides. Finger-grip indentations. the spout is stationary so it can be pulled open or pushed closed with the teeth. The leak-proof design is built into the removable top. **Colors: Red, Blue, Black, Translucent**

THIS BOTTLE WILL NOT LEAK!

U.S.A.



RG-WB-X 89¢ each



Cannondale Waterbottle, you don't have to struggle to get the bottle in or out of the cage. Simply place the Velcro loop covered bottle against the Velcro hook covered base. Vibration improves the grip. So easy to use, just pick it up, you can concentrate on your riding. Large capacity bottle, 24 oz., with a large mouth. Cap has a drinking spout designed to open or close with your teeth. The basd is tough, waterproof injection-molded Dupont Zytel 105. Single screw installation. Wrench included. Weight: 3 oz. **CD-WB $8.89**

NEW NO-LEAK TOP

RHODE GEAR

The NO-CAGE WATERBOTTLE slips into a non-marring nylon mount which protects the bike's finish. The bottle features molded-in finger indents for a positive grip. Total Weight: 100G. 1 minute installation. Fits all bikes. **Colors: Red, Blue, Black, White**

RH-NCB-X $5.60



U.S.A.

Braze-on Mount, same as above, **RH-NCBB-X $5.90**

DURA-ACE AX

BRAZE-ON MOUNT



AX Aero Waterbottle & Cage, 132G. Polyethylene bottle. Plastic skirt. Aluminum cage. Aerodynamic design. Air resistance reduced 3.77%. Pearl Blue color.

SH-SMBT10 $10.39

blackburn



Expedition Cage, strong 5/16" aluminum alloy. Great on the mountain bikes. Braze-on. **Specify: Silver or Black.**

JB-EC-X $6.98

Waterbottle Cage, aluminum alloy. Heliarc-welded, 4-point cradle design holds bottle more secure yet is easier to remove. 45G **Braze-on**

NEW

Specify: Silver or Black JB-WC-X $5.98



JB-WCC Cage Clamps, for use without braze-ons. Allen bolts, nuts & wrench, $1.75 pr.

REG

Italy



Alloy Waterbottle Cage, made of Dural aluminum alloy. Plastic retainer. Includes alloy mounting clips and chrome nuts & bolts for either clip-on or braze-on use. **Colors: Silver or Black**

RG-AC-X $3.10

MINOURA



Waterbottle Cages, light aluminum alloy frame with strong black nylon base and bottle stopper. 70G. **Colors: Silver or Black**

MN-WBC-X $4.75

Includes Clips & Bolts or can be Brazed-on

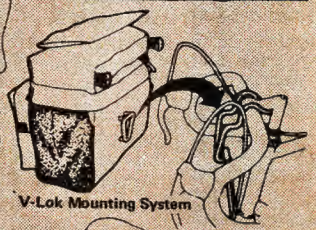
NEW

RHODE GEAR USA

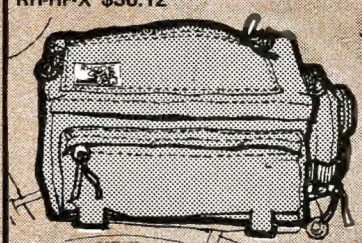


Handlebar Pack, durable Rhodura nylon fabric. Alloy and Hardwood internal support structure. Pleated side pockets with Velcro closures. Two zippered external pockets. The V-Lok Mounting System offers superior stability with quick-release convenience without dangling shock cords or protruding metal horns. Includes 3 snap zippered map pocket, shoulder strap and reflector. Weight: 18 oz. Capacity: 710 cu.in. **Colors: Wine Red or Silver Grey**

RH-HP-X $36.12



V-Lok Mounting System



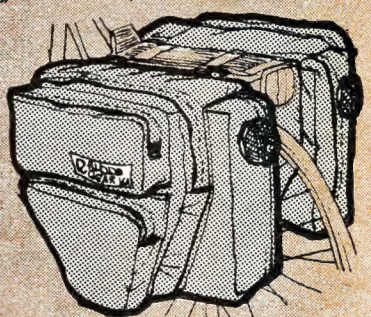
Rack Trunk, an insulated rack pack for use both on and off the bike. Durable coated Rhodura nylon with a thick closed cell foam insulation. Keeps 8 cans of your favorite beverage cool or protects delicate cargo. Four zippered external compartments. The 'Lock-Slot' compartment will carry any "U" style bicycle lock. Includes adjustable shoulder strap, nylon web handle & reflector. Weight: 15.5 oz. Capacity: 625 cu.in. **Colors: Wine Red, Silver**

RH-RT-X $36.12



Saddle Pack, a sleek wedge-shaped pack designed for efficient positioning under the saddle while providing ample leg clearance. Urethane coated Rhodura nylon. Wide YKK zipper. 3-point fastening for no-sway stability. No seat clips required. Poly liner for shape. Includes reflector. Capacity: 135 cu.in. Weight: 3 oz. **Colors: Wine Red or Silver Grey**

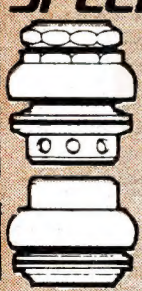
RH-SP-X $9.31



Rear Panniers, durable urethane-coated Rhodura nylon. Simple mounting system adjusts fore and aft yet assures proper tension to prevent pack from sliding. Folding alloy and hardwood internal structure. Can be used on rear or front racks. 8 zippered compartments allow flexible distribution of weight. Easy access to main compartment with cargo mounted on top of rear carrier. Storm flaps protect the YKK zippers. Packs snap together off the bike for luggage use. Includes nylon web handles, detachable shoulder strap, front and rear reflectors) Weight: 62 oz. Capacity: 2500 cu.in. **Colors: Wine Red or Silver Grey**

RH-P-X $67.15

SPECIALIZED



Sealed Headsets, unique Channel-Seal. Precision ground Steel Races. Combines the advantages of labyrinth and contact seals. **2 Models, Duraluminum or Steel. Specify: Eng., Fr., Italian**

SB-SH-X Duraluminum **$32.50**

SB-H-X Steel, **$19.90**

SB-CH-X Steel, not sealed, **$9.90**

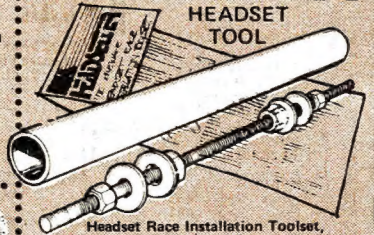
NEW



NEW SEALED HEADSET DUE OUT SPRING '83

HEADSETTER

HEADSET TOOL



Headset Race Installation Toolset, Simplifies headset race installation. The toolset comes with a heavy cylinder press for evenly setting the crown race into place, and a special "fitted Screw" compression device that draws both the upper and lower head tube races together with even pressure. The toolset works on frames up to 25" and comes polybagged w/ easy, illustrated instructions and other useful headset information. **BW-HST $8.95**

Flickstand

Keeps it leaning. Prevents damaging falls.



To Engage: With handlebars centered, push wire clamp into contact with front tire while rolling the bicycle backward. Clamp will snap into position.



To Disengage: Roll bike forward so wire clamp snaps out of its active position, then raise it with your fingers until it snaps into its inactive position.



Simple in itself, once engaged it turns a bicycle into a rigid panel so it can be leaned against any stationary object. No more turning front tire to make the bike unstable and possibly fall causing dents & scratches. The plastic mount is moulded in super-tough Dupont ZytelST, a non-abrasive, non-corrosive material. The hardware is stainless steel and nickle-plated brass. Weight: 26G.

- Fingertip operation
- Easy screwdriver Installation
- Supports heavily loaded bicycles
- Use with or w/out kickstand



RH-FS $3.89 ea.



Cycle pro

Maxima Headset, made by OMAS. Alloy, satin silver finish. English. Same bearing size as OMAS. 99G. Excellent value. **CP-HS $18.50**



OMAS Headset, made of super light, anodized aluminum. Ball races are forged and precision ground. OMAS uses small (1/8) bearings and more of them to spread the contact load over a greater area. Excellent vealue. Weight: 98G. (60G. lighter than Super Record). **Specify: English or Italian.**

OS-HS-X $32.95



Tange

TN-CFT-X $33.90

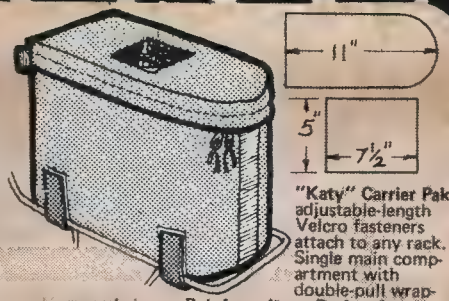
Chrome Fork, TOURING, forged Cinelli-like crown, Champion-butted CR-MO blades & forged dropouts with eyelets. Medium rake. English. **Specify Frame Size: 19 - 22" or 23 - 25"**

"I feel that you must have placed some concern on my satisfaction above and beyond your own profit margin." R.H., Knoxville, TN.

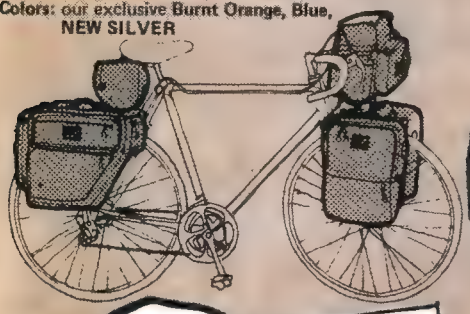
BIKE WAREHOUSE BAGS are made of durable waterproof Oxford Pack Nylon. Double C&C zippers are used throughout with nylon zipper pulls and generous rain flaps. All bags have nylon corner tabs and a black foam reinforcement inside. The Bike Warehouse label appears on all bags. Made in U.S.A.

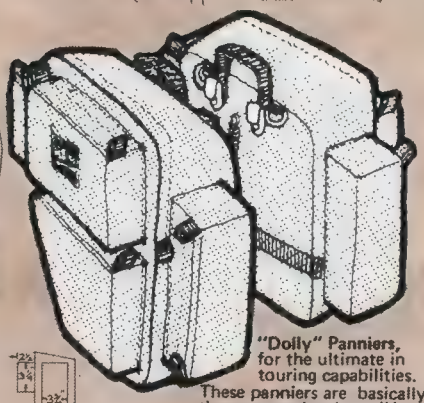
Colors: our exclusive Burnt Orange, Blue, NEW SILVER

Pannier Special Features:
Tension—Spring Mounting System
Rigid Nylon Interior Support Structure now 3-4 times stronger



"Katy" Carrier Pak, adjustable-length Velcro fasteners attach to any rack. Single main compartment with double-pull wrap-around zipper. Polyfoam liner. Perfect for those quick trips to the store—easily holds a half-gallon of milk & carton of eggs or a six-pack.
Capacity: 400 cu.in. Bag Weight: 6 oz.
Colors: Orange, Blue, Silver
BW-K-X $10.48

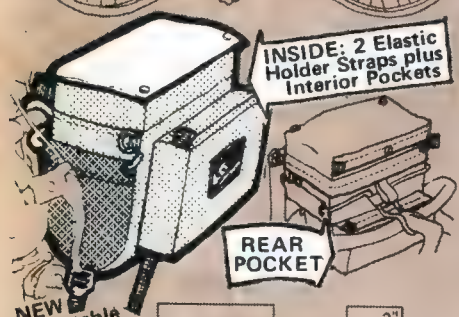


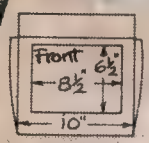


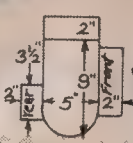
"Dolly" Panniers, for the ultimate in touring capabilities. These panniers are basically the same as the above "Jenny", but offers 10 compartments in all: 4 outside zippered pockets on each pack, plus, the zippered main compartments with double pulls.
Capacity: 2500 cu.in.
Bag Weight: 40 oz.
Colors: Orange, Blue, Silver
***BW-D-X $64.50**



"Holly" Tire Sock and Utility Bag, superbe stability due to a mounting system which secures the bag under the saddle and eliminates sway by wrapping a Velcro strap around the junction the the top tube and downtube. 3 zippered compartments keep your gear sorted and within easy access. Wrap-around zipper on the main compartment. Legs won't hit the bag even on narrow racing saddles. Holds two tires, tools or other gear.
Bag Weight: 3 oz. **Colors: Orange, Blue, Silver** **BW-H-X $8.80**





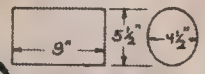


"Molly" Handlebar Bag, features a Velcro flap on the main compartment for fast on-the-road access. Snap-on zippered map case is reversible. Zippered main compartment with double pulls. Five Outside Pockets: 2 side slash pockets of heavy-duty Cordura, 1 zippered top pocket, 1 zippered rear and 1 zippered front pocket. Leather frame channels. Coated lightweight metal support frame with Velcro safety fastener. "D" rings for use with the optional shoulder strap. Polyfoam liner. This bag utilizes a special adjustable tab buckle shock cord mounting system to provide total stability. **Capacity: 675 cu.in. Bag Weight: 13 oz.**
Colors: Orange, Blue, Silver **BW-M-X $31.50** NEW LOWER PRICE

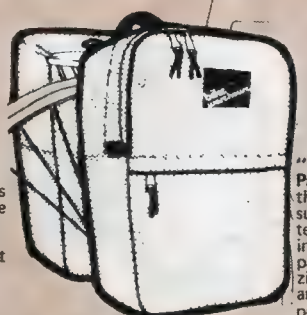
NEW



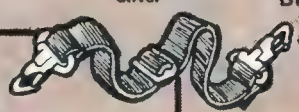
Bag Weight: 7 oz.
Capacity: 300 cu.in.
Colors: Orange, Blue, Silver



"Nannie" Seat Bag, has quick-release adjustable buckle fasteners swival so bag can be used on saddles with or without accessory clips. Wrap-around double pull zipper. Zipper rain flap. Nylon reinforcement strap. Instructions are included for mounting.
BW-N-X $5.90

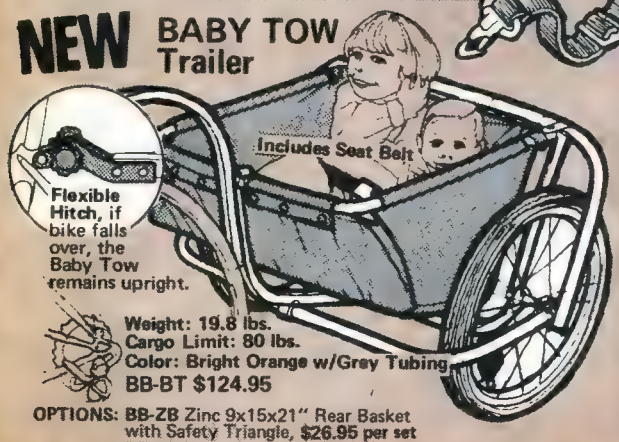


"Frannie" Front/Rear Panniers, incorporates the same nylon internal support frame and tension-spring mounting system as the rear panniers. Large zippered main compartment with double pulls. External zippered flat slash pocket. "D" rings for use with shoulder strap. Velcro snap locking system and nylon web handles provide for easy off-the-bike carrying.
Capacity: 1420 cu.in. **Bag Weight: 2lb., 9 oz.**
Colors: Orange, Blue, Silver
***BW-F-X $38.80**



***Optional Shoulder Strap, CD-A003 $1.85**

NEW BABY TOW Trailer



Weight: 19.8 lbs.
Cargo Limit: 80 lbs.
Color: Bright Orange w/Grey Tubing
BB-BT $124.95

OPTIONS: BB-ZB Zinc 9x15x21" Rear Basket with Safety Triangle, **$26.95 per set**
BB-SS Shoulder Straps, **$4.15**



Waterbottle, a top quality bottle of lightweight plastic. Bike Warehouse logo on the sides. Finger-grip indentations. the spout is stationary so it can be pulled open or pushed closed with the teeth. The leak-proof design is built into the removable top.
Colors: Red, Blue, Black, Translucent



RG-WB-X 89¢ each

small parts



Handlebar Support Frame CD-SF $4.95



CD-MH Mini-Hook, to attach bungie to fork. Incl. nut and bolt. **$1.60 pr.**

Old-style Bungie Strap, CD-OB 80¢

CD-BS Bungie Strap 80¢ each

CD-PS Pannier Spring $1.65 each



CD-JH "J" Hooks w/nut and bolt 75¢ each



CD-MC Map Cover $1.95 each

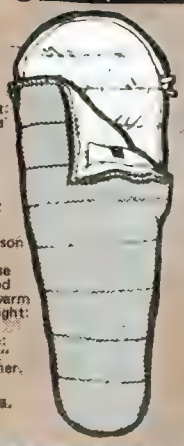
Lifetime Guarantee Against Defects in Materials and Workmanship.

cannondale — Our high volume buying allows low prices — Made in U.S.A.

CD-A003 Optional Shoulder Strap, $1.85

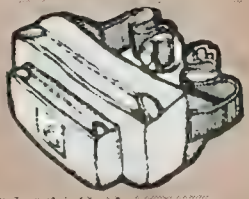


Back Pack, is ideal for a full day of touring. Roomy enough for extra clothing, food, thermos, camera, etc., with an added outside pocket for small accessories (sunglasses, etc.) 6 oz. waterproof nylon oxford cloth w/polyfoam liner, wide polypropylene breathable web straps, wrap-around nylon zipper, teardrop design allows natural and uninterrupted arm movement.
Capacity: 780 cu in., weight: 12 oz.
Red, Blue, Green **CD-C854-X $19.50**



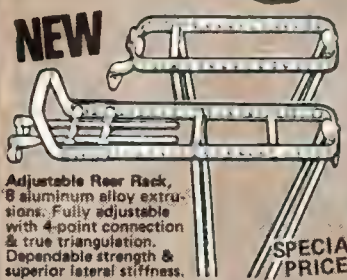
Blue Ridge, ideal for bicycle touring & warm weather camping. 25° Rating. Very lightweight: 3lb.8oz. Compacts into a 8½x12¾" sack. Fill Weight: 2lb. Loft: 4". Length: 83"
Specify Right or Left
CD-SB04-X $89.50 ea.

Chesapeake, our most popular. Excellent 3-season bag can be adapted to extreme cold weather use by the addition of a good ground pad & wearing warm clothing. 5° Rating. Weight: 4lb.14oz. Loft: 6". Fill Weight: 3lb.4oz. Length: 83", includes 10½x16½" stuffsack. Can zip together.
Specify Right or Left
CD-SB06-X $118.90 ea.



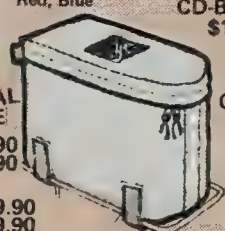
Belt Pack, just the thing for a day's touring that doesn't require a full back pack. Plenty of room for food, sunglasses, camera, etc. 2 compartments with nylon zippers and inside elastic bands for securing items. 8oz. waterproof nylon oxford pack cloth with leather reinforcements. Sewn-in foam liner, wide waistbelt w/quick release buckle. capacity: 300cu.in., weighs 8 oz.
Red, Blue **CD-BO848-X $15.30**

NEW



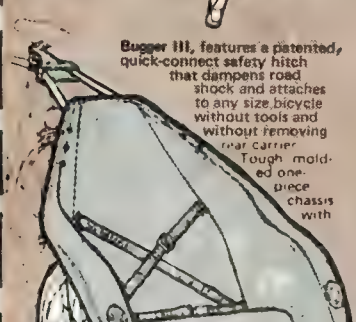
Adjustable Rear Rack, 6 aluminum alloy extrusions. Fully adjustable with 4-point connection & true triangulation. Dependable strength & superior lateral stiffness.
SPECIAL PRICE
CD-BR81S Rear Silver, Reg.$27.50, **$19.90**
CD-BR81K Rear Black, Reg.$29.50, **$19.90**

Front Rack, alloy, matches rear
CD-BR80S Front Silver, Reg. $24.50, **$19.90**
CD-BR80K Front Black, Reg. $26.50, **$19.90**



CD-BO46-X $12.90

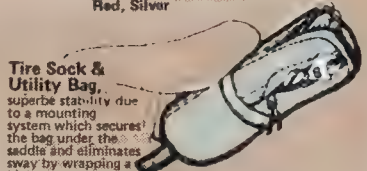
Rack Pack, adjustable-length Velcro fasteners attach to any rack. Single main compartment with double-pull wrap-around zipper. Polyfoam liner. Perfect for those quick trips to the store. Easily holds a half-gallon of milk & carton of eggs or a 6-pack. Capacity: 400 cu.in. Bag Weight 6 oz.
Colors: Blue, Black, Red, Silver



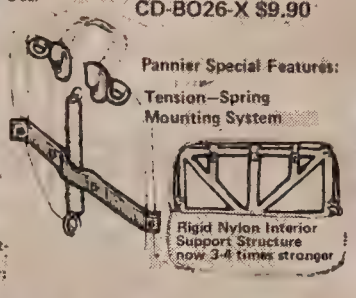
Bugger III, features a patented, quick-connect safety hitch that dampens road shock and attaches to any size bicycle without tools and without removing rear carrier. Tough molded one-piece chassis with a low center of gravity. 20" pneumatic wheels with sealed ball bearings. A harness system with quick-release buckles for 1 or 2 children. The straps can also be used as tie-downs for securing loads.
NO EXTRA CHILD SEAT IS NEEDED
CD-BUG $187.40



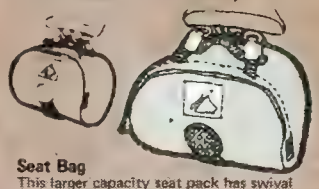
Tonneau Cover, of waterproof pack cloth to keep load dry & clean. 4 Adjustable Buckles so cover can be open part way. **Specify: Blue, Red or Yellow**
CD-AO18-X $19.80



Tire Sock & Utility Bag, superbe stability due to a mounting system which secures the bag under the saddle and eliminates sway by wrapping a Velcro strap around the junction the the top tube and downtube. 3 zippered compartments keep your gear sorted and within easy access. Wrap-around zipper on the main compartment. Legs won't hit the bag even on narrow racing saddles. Holds two tires, tools or other gear.
Bag Weight: 3 oz. **Colors: Blue, Black, Red, Silver**
CD-BO26-X $9.90

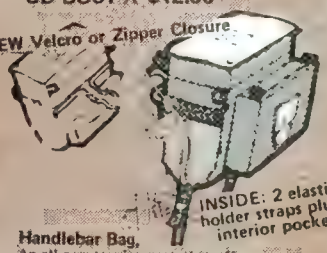


✻ **CANNONDALE'S LONG TOUR LINE**
Manufactured with a heavier 8oz. waterproof nylon Cordura cloth with a double urethane coating for maximum weather resistance and durability

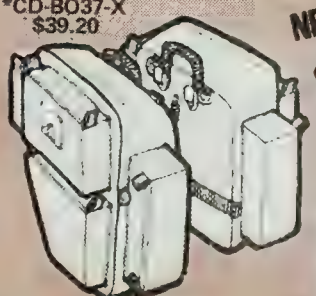


Seat Bag
This larger capacity seat pack has swival straps to mount on seats with or without eyelets. Double zipper opens across top and down sides. 8oz. Cordura. 6lb. limit. Capacity: 300 cu.in., Weight: 7 oz.
Blue, Red, Silver or Black
***CD-BO31-X $12.90**

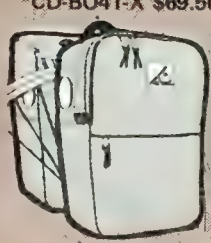
NEW Velcro or Zipper Closure



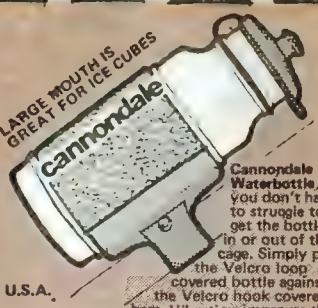
Handlebar Bag,
An all-new touring pack that offers welcome features. A coated exterior support frame is incorporated with a special shock-cord mounting system to provide total rigid security and stability. This pack features a polyfoam liner; five outside pockets - 2 on the sides, 1 up front, 1 on top & 1 on the back; detachable zippered map case; detachable shoulder strap (optional). This pack is made of the new 8oz. nylon Cordura cloth with double urethane coat. Capacity: 675 cu.in., Weight: 15oz., Limit: 8 lbs. **Blue, Red, Silver, Black**
***CD-BO37-X $39.20**



Rear Panniers
A new quick-mounting pannier with steel spring tension mounting. The utmost in stability with maximum pedal and heel clearance. This pannier offers 8 compartments in all: four outside zippered pockets on each pack, along with main compartments that feature 3-dimensional openings for easy access. Other features include a molded liner, stainless steel mounting hooks, a strong internal molded frame, YKK nylon zippers and full rain flaps. The quick-mount design provides total off-bike convenience also, with quick-snap fasteners that attach both packs and web handles for easy carrying. These packs are constructed of the new 8oz. nylon oxford Cordura fabric. Capacity: 2500 cu. in., weighs: 40 oz. limit 35 lbs.
Blue, Red, Silver or Black
***CD-BO41-X $69.50**



Front Panniers
large zippered interior compartment. 1 zippered outside pocket. Rigid nylon interior frame. 1100 cu.in.
CD-BO43-X✻ cordura.
Blue, Red, Silver or Black **$54.40**
Includes Shoulder Strap

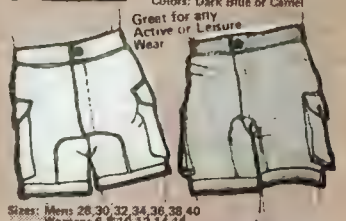


Cannondale Waterbottle, you don't have to struggle to get the bottle in or out of the cage. Simply place the Velcro loop covered bottle against the Velcro hook covered base. Vibration improves the grip. So easy to use, just pick it up, you can concentrate on your riding. Large capacity bottle, 24 oz., with a large mouth. Cap has a drinking spout designed to open or close with your teeth. The base is tough, waterproof injection-molded Dupont Zytel 105. Single screw installation. Wrench included. Weight: 3 oz. **CD-WB $8.89**

cannondale

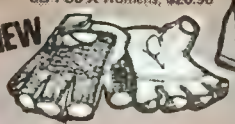
Cycling Shorts, designed to combine styling with comfort and function.

Colors: Dark Blue or Camel



Sizes: Mens 28,30,32,34,36,38,40
Womens 6,8,10,12,14,16
CD-MCS-X Mens, $26.90
CD-FCS-X Womens, $26.90

NEW



Cycling Gloves, handmade in Pennsylvania. Hand-crocheted 100% cotton back. Top-quality glove leather with fewer seams & carefully designed padding (thumb area, too!) offers greater protection and comfort. Velcro wrist closure. Measure around palm for size.
Sizes: P,S,M,L,X,J
CD-CG-X $25.40

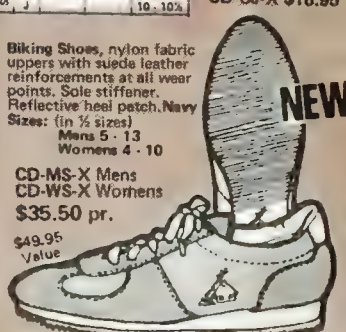
SIZING CHART	Size	JERSEYS Mens	JERSEYS Womens	GLOVES
	P			6 - 6½
	S	34 36	6 8	6¾ 7¼
	M	38 40	10 12	7¾ 8
	L	42 44	14 16	8 9
	X	46 48		9 - 10
	J			10 - 10¾



NEW

Cycling Jersey, 100% cotton knit. Zippered front with a rib-knit collar. Extra-long cut, hemmed sleeves and an embroidered Cannondale logo. Zipper & collar are in a contrasting color to the body.
Colors Yellow or Blue
Sizes: Mens S,M,L,X Womens S,M,L
CD-CJ-X $16.95

Biking Shoes, nylon fabric uppers with suede leather reinforcements at all wear points. Sole stiffener. Reflective heel patch. Navy
Sizes: (in ½ sizes)
Mens 5 - 13
Womens 4 - 10
CD-MS-X Mens
CD-WS-X Womens
$35.50 pr.
$49.95 Value



NEW



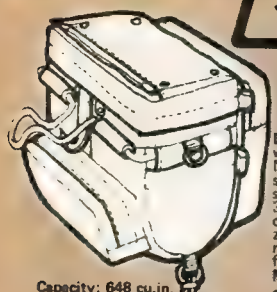
NEW

Sheepskin Saddle Cover, extra-thick, super comfortable fleece. Protects against sticking and chafing. Elastic edge for snug fit.
2 Sizes: Pro-type or Ladies/Wide
CD-SC Pro-type, $9.50
CD-LSC Ladies/Wide, $9.50

we try to ship same day

"You run an excellent operation." D.F., Washington, D.C.

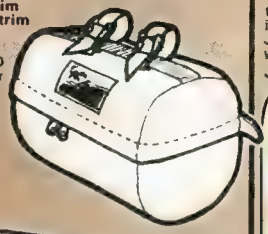
Cycle pro®



Deluxe Handlebar Bag, water-resistant 420-D Nylon. Support suspension system. Leather support system sleeves. 3 external zippered compartments. Double-zipper main compartment has Velcro closure for quick & easy access. Map case.

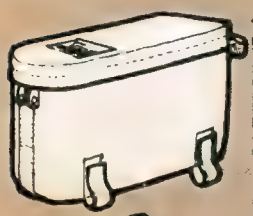
Capacity: 648 cu.in.
Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim

CP-HB-X $28.80



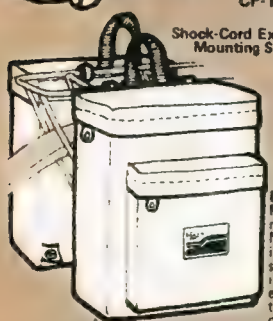
Deluxe Seat Bag, water-resistant 420-D Nylon. Double-zipper compartment. Reinforced webbing.
Capacity: 270 cu.in.
Colors:
Blue w/Black trim
Red w/Black trim
Black w/Black trim

CP-SB-X $7.70



Top Rack Pack, water-resistant 420-D Nylon. Top nylon double-zipper. Velcro fasteners hold pack securely to rack. Nylon carry handle for easy off-the-bike carry-along.
Capacity: 510 cu.in.
Colors: Blue w/Black
Red w/Black
Black w/Black

CP-TP-X $10.30

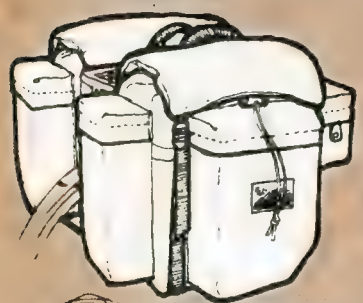


Shock-Cord External Mounting System

Deluxe Front Panniers, water-resistant 420-D Nylon. Alloy internal support system. Top-loading main and external compartments. Nylon carry handles.

Panniers snap together when off-the-bike for easy carry along. Capacity: 1094 cu.in.
Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim

CP-FP-X $32.60 pr.





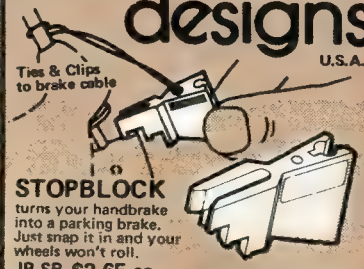
Deluxe Rear Panniers, water-resistant 420-D Nylon. Alloy internal support system. 8 (pr) external zippered compartments. Main compartment has self-locking, drawstring top closures. Nylon carry handles. Panniers snap together when off-the-bike for easy carry-along.
Capacity: 1770 cu.in.
Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim

Spring-Mount Support System

NEW LOWER PRICE

CP-RP-X $44.72 pr.

jim blackburn designs U.S.A.



Ties & Clips to brake cable

STOPBLOCK turns your handbrake into a parking brake. Just snap it in and your wheels won't roll.

JB-SB $2.65 ea.



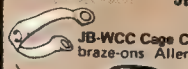
Expedition Cage, strong 5/16" aluminum alloy. Great on the Stumpjumper. Braze-on. Specify: Silver or Black.

JB-EC-X $6.98 NEW



Waterbottle Cage, aluminum alloy. Heliarc welded, 4-point cradle design holds bottle more secure yet is easier to remove. 45G Braze-on

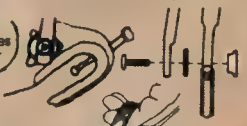
Specify: Silver or Black
JB-WC-X $5.98



JB-WCC Cage Clamps, for use without braze-ons. Allen bolts, nuts & wrench. $1.75 pr.

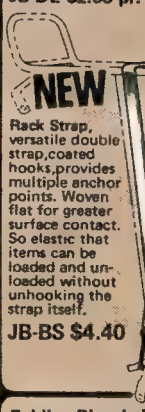


Seat Stay Clamps, vinyl-coated. 3 Seat Stay Sizes:
9/16" (531 frames under 23")
5/8" (23",larger 531, Columbus)
1/2" (Rare)
JB-SSC-X $1.20 pr.



Dropout Eyelets, adapts racing frames without eyelets for mounting rear carriers.

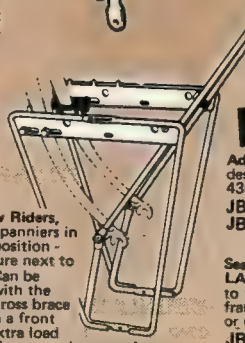
JB-DE $2.95 pr.



NEW

Rack Strap, versatile double strap,coated hooks,provides multiple anchor points. Woven flat for greater surface contact. So elastic that items can be loaded and unloaded without unhooking the strap itself.

JB-BS $4.40



Front Low Riders, puts your panniers in the ideal position - low & secure next to the hub. Can be installed with the included cross brace or used on a front rack for extra load surface. Also gives clearance for cantilever brakes-perfect for tandems. 480G. pr.

JB-LRS Silver, $25.90
JB-LRK Black, $26.90



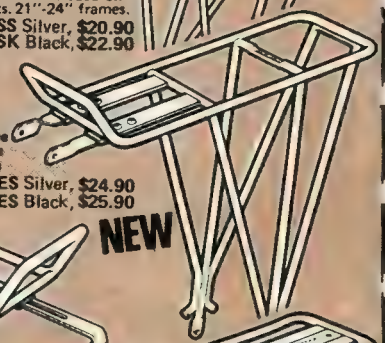
Adjustable Rear Rack, unit construction, heliarc welded with 3 pairs of stays. Stainless steel extender attaches to brake bolt and slides in & out to adjust to all frame sizes. 18½ to 24" frames.

JB-RS Silver, $20.20
JB-RK Black, $22.10



Seat Stay Rear Rack, aluminum alloy, attaches to seat stays with clamps or to brazed-on eyelets. 21"-24" frames.

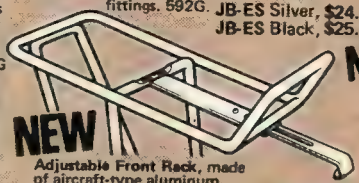
JB-SSS Silver, $20.90
JB-SSK Black, $22.90



Expedition Seat Stay Rack, exceptionally strong 5/16" aluminum alloy, features a slant back top & extra-wide rear strut for greater clearance on mountain-type bikes. Uses seat stay clamps or brazed-on fittings. 592G.

JB-ES Silver, $24.90
JB-ES Black, $25.90

NEW



NEW

Adjustable Front Rack, made of aircraft-type aluminum. Heliarc welded. Very strong & very light. Adjusts to always remain level. 21 to 24" frames.

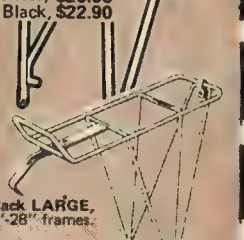
JB-FS Silver, $19.90
JB-FK Black, $20.80



NEW

Fastrak Adjustable Rear Rack, a budget rack with Blackburn quality. 2 strut construction. Aluminum rear plate aids in supporting smaller loads. Red graphics.

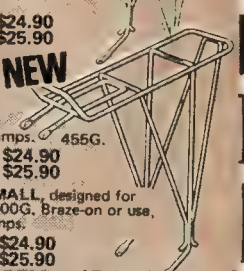
JB-FRS Silver, $20.90
JB-FRK Black, $22.90



NEW

Adjustable Rear Rack LARGE, designed to fit 22"-28" frames. 430G.

JB-RLS Silver, $24.90
JB-RLK Black, $25.90



NEW

Seat Stay Rack LARGE, designed to fit 24"-26" frames. Braze-on or use seat stay clamps. 455G.

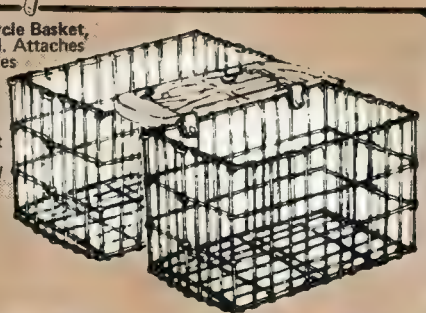
JB-SSLS Silver, $24.90
JB-SSLK Black, $25.90

Seat Stay Rack SMALL, designed for 18"-20" frames. 500G. Braze-on or use with seat stay clamps.

JB-SSSS Silver, $24.90
JB-SSSK Black, $25.90

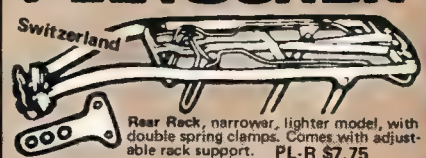
Folding Bicycle Basket, Carbon Steel. Attaches to carrier sides and struts. When not in use, it folds flat and a latch locks it closed. Size: 14"Lx8½"W x 9½"H Japan.

CP-FB $14.50 pair



PLETSCHER

Switzerland



Rear Rack, narrower, lighter model, with double spring clamps. Comes with adjustable rack support. PL-R $7.75

bungie cords



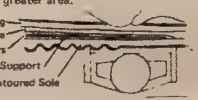
Elastic Bungie Cords, with plastic-coated hooks. 3/8" diam. Assorted Colors. TX-BC-X 12"/40¢, 18"/50¢, 24"/60¢

" R.S., Bay City, MI

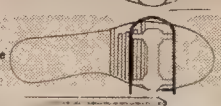


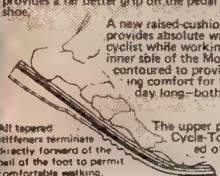
Model II Cycle-Touring Shoe, the culmination of features taken from the finest athletic and cycling shoe designs. Essential for comfortable and efficient pedaling whether you intend to bike to work or tour the entire continent. Ideal for pleasurable walking, also.

The greatest problem facing the cyclist who wears tennis or athletic shoes comes from a flexible sole which provides insufficient support under the ball of the foot, promoting excessive foot flex and painful twisting. The Model II's **Multidensity Sole,** formed of tapered spring steel and fiber laminates, insures comfort by displacing the pressure around the ball of the foot over a greater area.



Avocet has built in all the safety & pedaling efficiency of a traditional cleated shoe. The forward area of the molded sole features specially angled pedal channels that position the ball of the foot directly over the pedal axle. The shape of the channels provides a far better grip on the pedal than an all-purpose shoe.



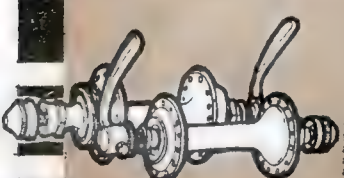


A new raised-cushion heel on the Model II provides absolute walking comfort to the cyclist while working or hiking. The inner side of the Model II is shaped and contoured to provide luxurious surrounding comfort for the widest of feet all day long—both on and off the bike.

All tapered stiffeners terminate directly forward of the ball of the foot to permit comfortable walking.

The upper portion of the Model II Cycle-Touring Shoe is constructed of an ultra-lightweight nylon fabric—a durable solution to proper ventilation. Protection against toe clip and strap wear is provided by a reinforcement of top quality black suede leather. Extra long tongue.

Color: Silver Nylon Fabric with Black Suede Leather.
Sizes: 4 to 13 AV-S-X $32.85 pr.

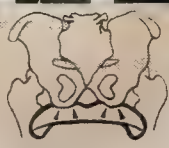


Model I Small Flange Hubs, for the cyclist who prefers to maintain his own equipment. This hub features traditional adjustable cones and Avocet press-fits hardened steel bearing races that are precision-ground. Model I Hubs come with chromed steel quick-release skewers. **36 Hole.**

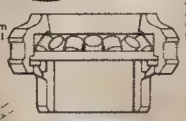
Specify: 5 or 6 Speed AV-HS-X $44.80 pr.

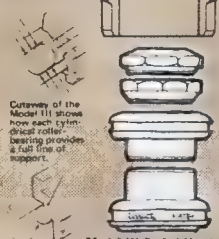
Model II Sealed Small Flange Hubs, this single-piece, small flange hub made from cold-forged aluminum is unsurpassed for its strength and beauty. The Model II is designed with adjustable, precision sealed bearings that require little if any maintenance. Cone bearing races are machine-ground and polished to a mirror finish. Lightweight alloy Quick-release skewers with aluminum skewer heads, **36 Hole.**
Specify: 5-speed or 6-speed Rear Hubs.
AV-SHS-X $89.80 pr.

AVOCET



The Avocet Saddle Design System, now, every aspect of the cyclist's pelvic structure gets the support it needs. Varying thicknesses of the molded nylon shell disperse the pressure of the rider's bodyweight over a greater area than with conventional saddles. As the pelvic bones contact the saddle, the padded bumps are displaced and the pressure points (arrows) are relieved. The thinned nylon shell regions below the padded bumps give in a downward direction, thus, distributing support around the pelvic contact points. The padded bumps and thinned nylon shell combine to provide maximum comfort. The lowered area between the bumps prevents irritation in the crotch area.


Internal diagram of the Model III Cylindrical Roller-bearing Headset


Cutaway of the Model III shows how each cylindrical roller-bearing provides a full line of support.

Cutaway of a standard headset with ball bearings providing only one contact point.

Model III Sealed Headset, a new design in sealed bearings allows the bearing to simultaneously withstand the heavy radial loads ... vantage ... standard ball bearings through increased area contact. This feature makes the Model III Headset much stronger than any other. Installation of this lightweight aluminum headset is simple and maintenance is a thing of the past. Anodized silver finish. 145G. Guaranteed for the life of the bike if properly installed. **Specify: English, French or Italian.**

NEW SEALED HEADSET DUE OUT SPRING '83



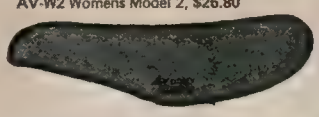
Mens Model I Saddle, features a softer nylon shell and a thicker, softer (less-dense) polyurethane padding. This is an ideal design for the beginner & intermediate cyclists. **Smooth Black.**
AV-M1 Mens Model 1, $19.80

Mens Model II Saddle, designed for the more experienced racer or tourist who desires a firmer nylon shell and pad for optimum efficiency during extended riding. **Smooth Black.**
AV-M2 Mens Model 2, $23.95



Avocet has taken into account the differences in width and construction between the mens pelvic structure and the womens, by designing Model I & Model II Saddles specifically for women. They feature a broader nylon shell and a repositioning of the saddles' molded anatomic pads. **Both models are Smooth Black.**

AV-W1 Womens Model 1, $19.80
AV-W2 Womens Model 2, $26.80



Model III Racing Saddle, because racing cyclists distribute their bodyweight more evenly over the entire bicycle, this minimizes the pressure put on the saddle form and pelvic structure. This permits a significant reduction in supportive shell area and coordinative, molded anatomic padding (the padded bumps are missing from the racing saddles). Lightweight aluminum alloy seat rail.
AV-R3 Racing Model 3, $36.80

THE NUMBER ONE BRAKE IN ITALY !

modolo

PROFESSIONAL



Modolo PROFESSIONAL Brakes, Special Light Alloy Sidepull Brakes. Considered by the experts & cycle enthusiasts as the expression of the very best quality available. Refined Aerodynamic Styling throughout. **The Controls & Adjustments** are set above for an easier & more secure grip. **Patented Center Bolt** with its 2 diameter stem, is made of high-resistance steel which is tempered & milled for a perfect fit. Metal separator washers are self-lubricating with a patented watertight reservoir. **Patented Brake Blocks.** Guards provide fast absorption & resistance to blows. Special rubber offers powerful braking, even in water. Brake shoe locks into position on facing caliper through careful machining. **21 Strand Steel Cable** is self-lubricating, operating within a tube treated with molybdenum bisulphide for increased softness, long-life & enternal lubrification. **Dome-style Allen Bolts** add to the aerodynamic and classic look. Finish: Silver Anodized. **Specify: Normal or Short Reach.**

Modolo PROFESSIONAL Levers, light, high-resistance alloy. Tubular cross-section for maximum strength and reduction in weight. The handle pivot bolt is separate from the handlebar attaching bolt. Handle has 2 rows of holes drilled down the front and 1 row down the back. A lateral design is pantographed down the center for increased lightness and an asthetic appearance. Gum Hoods are different left & right.

The PROFESSIONAL Brakeset Comes complete with: 2 levers, 2 brakes, 2 cables, 3 spanners, 3 drilled clips, 1 bag cable terminals, instruction book & numbered Guarantee Certificate.
Specify: Normal or Short Reach
MO-PB-X Professional Brakeset, $99.90 NEW LOWER PRICE

KRONOS



BRAZE-ON for Campy & SunTour Bosses

Modolo KRONOS Shift Levers, Patented. The levers are constructed of a special high-resistant resin. Aerodynamic lines with curved ends for a quick & secure gear change. Designed for mounting in the top position but can also mount in the traditional position with no modification. All parts are in a stainless material with a special finish. **Black finish.**
MO-SL $11.90 pr.

Modolo KRONOS Levers, Patented. Constructed of a high-resistant resin. Although new, it is already a winner in international racing competitions. The lever can withstand heavy blows without problems. The aerodynamic handgrip is mounted the same as a traditional lever. **Black finish.** MO-KL $59.95 pr.

KRONOS

NEW



Modolo KRONOS Brakes, smaller and aerodynamic design. Produced by Microcasting. Protected by special wear resistant anodic oxidation. The Center part is covered in a rubber sheath for protection from the elements. **Black.**
Includes Brake Levers MO-KB $194.50 set

U.S.A. SPECIALIZED



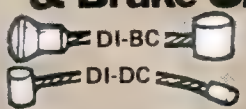
Top Tube Brake Cable Clamps, polished stainless steel, extra light. SB-BCC Set of 3/$2.25

Cycle pro



Aluminum Cable Ends, 50 per bag
CP-CE $2.50 bag

Derailleur & Brake CABLES



BRAKE: Fits all front or rear

DERAILLEUR: Fits all stem and down tube.

Universal Cables, both have 2 different type ends - cut off end not needed.
DI-BC(Brake) or DI-DC(Derailleur), 60¢ ea.

Tandem Cables, 110", SB-TC-B(Brake) or SB-TC-D(Derailleur), $2.50 each

EASY-GLIDE HOUSING



Japan

*Standard diameter for universal fit.
*Attractive color vinyl cover.
*Smooth, efficient Polyethylene Liner.
*Flexible for easy routing 25' lengths.

Colors: Black, Blue, White, Red, Yellow, Silver
WS-H-X $6.95

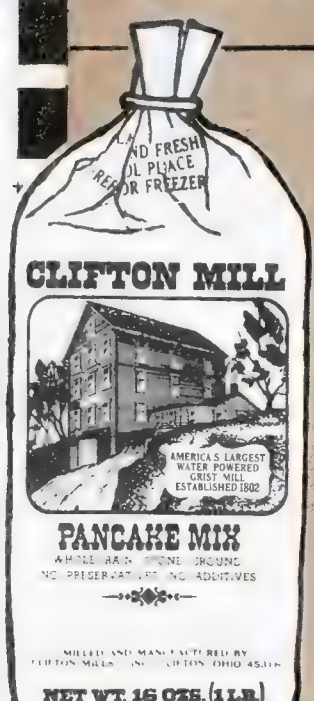
Small enough to fit through brake transmission guides

NEW

CRYSTAL Cable Housing

Translucent vinyl cover allows the silver to shine through. Polyethylene liner. A very attractive housing. **Translucent Colors: Red, Blue, Silver, Gold**

Comes in 8 Meter Lengths WS-CH-X $8.90



PANCAKE MIX

The pancakes from these mixes are so great we had to include them in our catalog for everyone to enjoy.

Just add milk to griddle this extra light and fluffy treat.

They are wholegrain - without preservatives or additives.

Stone ground in America's largest water-powered grist mill. Established in 1802, the mill remains a working museum at the headwaters of the Little Miami River and the Clifton Gorge in the John Bryan State Park, right here in Ohio.

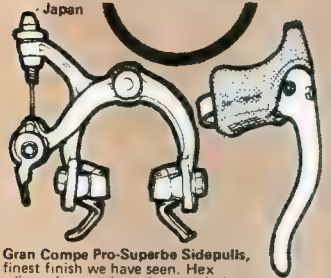
PANCAKE MIXES are shipped fresh in wire-wrapped gift sacks with a special protective poly over-bag. Each is 1 lb. and makes 20 to 25 cakes.

CT-WW Whole Wheat, 89¢ LB.
CT-CM Corn Meal, 89¢ LB.
CT-GC Griddle Cake, 89¢ LB.
CT-BW Buckwheat, 95¢ LB.

"You and your personnel are to be commended. Thanks," B.M., Washington, D.C.

we try to ship same day

DIA-COMPE
Japan



Gran Compe Pro-Superbe Sidepulls, finest finish we have seen. Hex adjusted, cone-shaped center bolt. Black brake blocks. **Specify: Normal or Short**
DC-GCS-X $56.00

DC-GH Gran Compe Hoods, gum rubber, $5.70 pair

DC-DL Gran Compe Levers, New Style, slotted $11.60 ea. NEW LOWER PRICE

DC-TG Gran Compe Tire Guides, vinyl-coated aluminum, fits most brakes. 4/$2.90

DC-DB Drop Bolts, rear only, $8.25

DC-TL Touring Lever, for flat handlebars, $3.50 each



500G Sidepulls, silver anodized, drilled levers, hoods included. **DC-500G $33.80**

730 x 730 - DC-730G $34.80

DC-DPS Dia-Compe Pad and Shoe Assembly, Black, Set of 4/$3.70

MATHAUSER
brake shoes

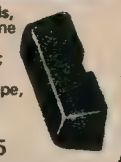


Revolutionary, lightweight brake shoes feature optimum stopping power in even the wettest weather. Pads are new, long life compound, curved for 100% rim contact. Shoes are finned aluminum for fast heat dissipation and clean appearance. **Specify: Flat or Angled Rims, or for Mafac Brakes.**
MA-BS-X Set of 4/$12.75
DC-TG Tire Guides, 4/$2.90

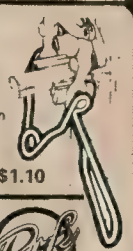


All rims we sell take Flat except Fiamme

Mathauser Replacement Pads, for stock shoes, made of same material as above. 3 Sizes: 'C' for Campy, Zeus & CLB; 'M' for Mafac, Dura-Ace; 'W' for Weinmann, Dia-Compe, Gran Compe, Universal. **Specify Size: C, M, W**
MA-RP-X Set of 4/$6.25



3rd hand brake tool



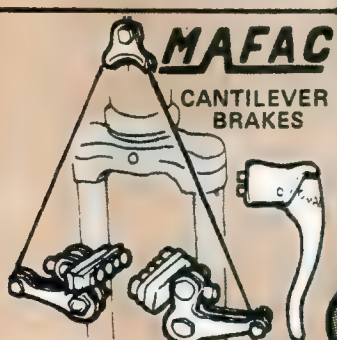
3rd Hand Brake Adjusting Tool, places tension on brake arms, holding pads to rims while you adjust cable slack. Essential for proper brake work. **DC-3H $1.10**



PT-4H $4.70

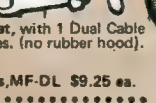
Fourth Hand Brake Tool, for centerpull or sidepull brakes.

MAFAC
CANTILEVER BRAKES



Mafac Cantilever Brakeset, with 1 Dual Cable Lever, & mounting bosses. (no rubber hood).
MF-CB $19.00
Mafac Dual Cable Levers, MF-DL $9.25 ea.

SHIMANO-600



600 Cantilever Brakes, 338G., light alloy brake with steel braze-on mounting shaft. All Allen bolts.
SH-CB $14.50



DC-DL Gran Compe Levers, $11.60 ea.
DC-TL Touring Lever, $3.50 ea.

MIRRYCLE
BIKE MIRROR,



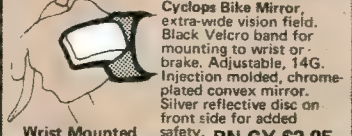
3" diameter convex mirror. Rugged lexan construction. Mounts on the brake lever conveniently out of the way. Adjusts to any position. Vibration is at a minimum. Quick and easy installation. 50G. Fits all Weinmann, Dia-Compe, Shimano types, but not Campy. U.S.A. **MC-BM $5.75**



HANDLEBAR-END MOUNT Bike Mirror, adjusts to any position. Installs quick & easy.
MC-BEM $5.50 Made by ART-FORM

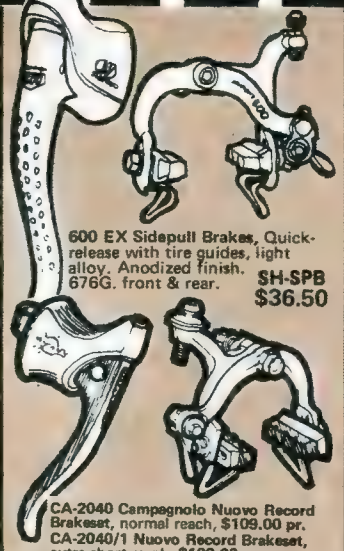


Brake Mounted



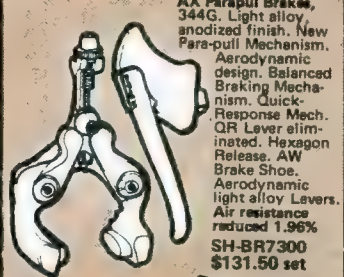
Wrist Mounted

Cyclops Bike Mirror, extra-wide vision field. Black Velcro band for mounting to wrist or brake. Adjustable, 14G. Injection molded, chrome-plated convex mirror. Silver reflective disc on front side for added safety. **BN-CY $2.95**



600 EX Sidepull Brakes, Quick-release with tire guides, light alloy. Anodized finish. 676G. front & rear. **SH-SPB $36.50**

CA-2040 Campagnolo Nuovo Record Brakeset, normal reach, $109.00 pr.
CA-2040/1 Nuovo Record Brakeset, extra-short reach, $109.00 pr.
CA-4061 Super Record Brakeset, normal reach, drilled levers, $119.40 pr.
CA-4061/1 Super Record Brakeset, short reach, drilled levers, $119.40 pr.



Dura-Ace AX Parapul Brakes, 344G. Light alloy, anodized finish. New Para-pull Mechanism. Aerodynamic design. Balanced Braking Mechanism. Quick-Response Mech. QR Lever eliminated. Hexagon Release. AW Brake Shoe. Aerodynamic light alloy Levers. **Air resistance reduced 1.96%**
SH-BR7300 $131.50 set

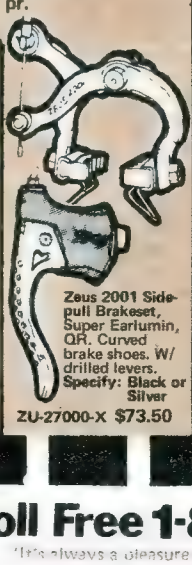


Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish, Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr. Short/330G. pr.
Levers are light alloy, drilled w/anodized finish. Natural rubber covers. Weight: 219G. Includes cable & 3 top tube cable clips. **Specify: Normal or Short Reach**
ST-SB-X $59.50 pr.

NEW blackburn STOPBLOCK



Stopblock, turns your handbrake into a parking brake. Just snap it in and your wheels won't roll.
JB-SB $2.65



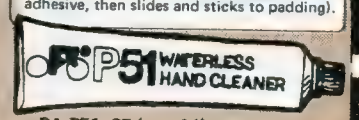
Zeus 2001 Sidepull Brakeset, Super Earlumin, QR. Curved brake shoes. W/ drilled levers. **Specify: Black or Silver**
ZU-27000-X $73.50

HANDLEBAR PADDING
U.S.A.
Made by GRAB-ON



NEOTECH MAXY SET Handlebar Padding, extremely comfortable, reduces road vibration. Non-slip grip, absorbs sweat, insulates against cold. Washable. **Colors: Black, Blue, Red**
GO-M-X Maxy Set, **$5.95**

NOTE: Use P-51 to install (removes old adhesive, then slides and sticks to padding).



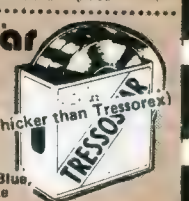
PA-P51 85¢ ea., 3/$2.25, 12/$8.40

BENOTTO
PROFESSIONAL CELLOTAPE



Handlebar Tape, used by the best pro and amateur cyclists. Unique for its high-quality, appearance & color, non-slip texture, toughness & safety. Comes with pair of matching color handlebar plugs.
Colors: Blue, Red, Yellow, Pink, Green, White, Black, Silver
Italy **BE-HT-X $1.59 set**

tressostar cloth



Cloth Tape, woven edges do not unravel. Extra strong adhesive backing. Enough to do complete bar. France
Specify: Black, Red, Blue, Yellow, White
VE-T-X $1.98 set



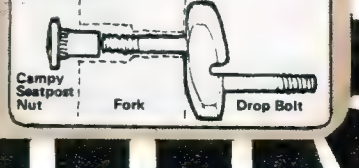
Bailey III Cushion Grip Tape, a tapered edge, soft rubber. Very comfortable. Sun, rain and cold resistant. Enough to do bar.
Color: Black **BY-T $2.85 set**



CHROME Handlebar End Plugs, VE-C 50¢ pr.

Rubber End Plugs, with screw-type expander. Black **VE-RP 88¢ pr.**

To make a FRONT DROP BOLT
YOU NEED: Campy 8mm Seatpost Bolt & REAR Drop Bolt to fit your brakes.
2. Drill Rear of Fork to Fit
3. INSTALL



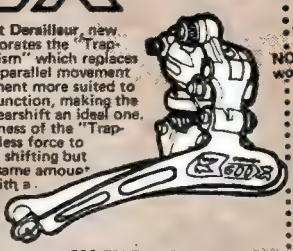
SHIMANO 600 EX



600 EX Crankset, features the new "W Cut" teeth for smoother gear changing. By shortening the length of two sprocket teeth behind the crank arm, and two teeth located directly opposite (these teeth sustain the least tension while cycling), it's no longer necessary for the chain to be lifted up over the sprocket teeth and then be dropped to a lower gear, which on a conventional front chainwheel causes great stress and wear. Requires only a 6mm Allen Key to remove the front crank arm. The crank arm has been set back near where it attaches to the chainwheel, eliminating any liklihood of the ankle striking the carnk arm.68mm crank arm. 937G. 39 x 52T. **Specify:** Eng., Fr., Italian

SH-C-X $49.95

SH-CR-X CHAINRINGS-
39,40,42,44T **$11.70ea.**
46,48,49,50,52,53T **$14.50 ea.**



600 EX Front Derailleur, new design incorporates the "Trap-Ease Mexhanism" which replaces the awkward parallel movement with a movement more suited to the shifting function, making the low to high gearshift an ideal one. The effectiveness of the "Trap-Ease" allows less force to be used when shifting but provides the same amount of travel as with a conventional derailleur. 107G.

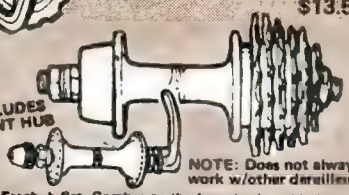
SH-FD $8.90



600 EX Rear Derailleur, Equipped with the unique "Hatch-Plate Mechanism" making dismantling the derailleur much easier. The derailleur can be removed in one smooth operation without touching the chain. The "Hatch-Plate Mechanism" rear derailleur is suited for any multi-speed bicycle, especially one equipped w/ a Uni-Balance Freehub. 191G 28T capacity.

SH-RD $14.50

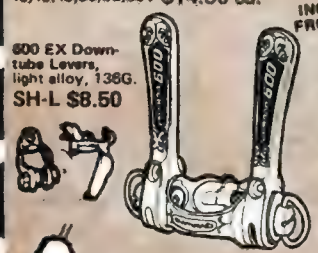
600 EX GS Rear Derailleur, **SH-GS $13.50**



INCLUDES FRONT HUB

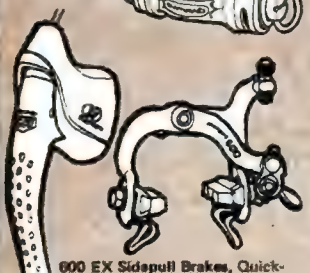
NOTE: Does not always work w/other derailleurs.

Freehub Set, Combining the freewheel and hub into one unit, results in a stronger, smaller, lighter, and more economical component. The Freehub uses the new "Uni-Balance Mechanism" which positions the hub nearly centered with the rim, unlike a conventional dished assembly on a multi-speed rear wheel where the hub is positioned to the left of center in order to balance the width of the freewheel. This conventional position results in spoke strain, vibrations and a certain level of expertise in maintenance. The "Uni-Balance Mechanism" solves these problems.



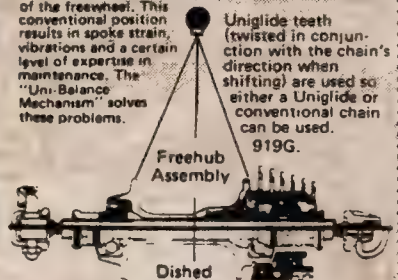
600 EX Downtube Levers, light alloy, 136G.

SH-L $8.50



600 EX Sidepull Brakes, Quick-release with tire guides, light alloy. Anodized finish. 676G. front & rear.

SH-SPB $36.50



600 EX Headset, the "Sealed Mechanism" although unseen is vitally important for upgrading the bicycles' efficiency. Head parts (and rotating parts of the Freehub) are especially in need of protection from water & dirt. The airtightness improvement of the "Sealed Mechanism" protects all rotating parts. Aluminum body. 142.7G

SH-H $16.50

Standard 6spd.-13,15,17,20,24,28T
SH-FH $41.50

SINGLE SPROCKETS
SH-FHT-X Thread-on 12,13,14T, $4.20 ea (Black)
SH-FHS-X Slide-on 30,32,34T, $4.20 ea (Black)
SH-DFHS-X Slide-on 13,14,15,16,17,18,19,20, 21,22,23,24,26,28T, $4.20 ea (Gold)

SH-1200906 600 Freehub Removal Tool, $5.26

600 Small Flange Hubs, quick-release, alloy, 36H. 587G.

SH-SH $29.90 pr.

Shimano Aero Cap, 50/50 cotton/polyester. White w/Blue lettering. Multi-blue stripe.

SH-CAP $2.95



DURA-ACE EX

NEW LOWER PRICES!

NOTE: Does not always work w/other derailleurs.



INCLUDES FRONT HUB

Dura-Ace Freehub, incorporates a cassette sprocket assembly. In conventional freewheels where both threaded & spline-type (unthreaded) sprockets were used, the desired combination could only be used if quantities of both types were available. The EX Series cassette assembly uses a spline-type system where only a threaded high gear is used to hold the assembly together. This system allows all kinds of gear combinations between second & low gears. Overall weight & size reductions have been made & durability improved. This Freehub also incorporates the "Uni-Balance Mechanism" as explained in the 600 EX Series Freehub.





The axle bearings are located at the end of the freewheel where it is supported by the dropout. This eliminates the torque characteristic which has a tendency to result in bent axles on other hubs. **INCLUDES FRONT HUB.**

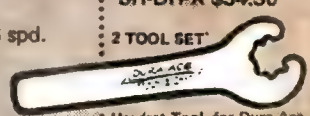
Custom 6 spd. Freehub-choose any 6 spd. combination from sizes below,
SH-K-DFH-X $74.00

SINGLE SPROCKETS
SH-DFHT-X Thread-on 11,12,13,14,15,16T
SH-DFHS-X Slide 12,13,14,15,16,17,18,19,20,21,22,23, 24,25,26,28T
$4.20 each



Dura-Ace EX Headset, incorporates the "Sealed Mechanism" innovation to protect its' rotating parts from water and dirt particles. Aluminum body. 114G. **Specify: English, Italian or French.**

SH-DH-X $34.50



2 TOOL SET

Headset Tool, for Dura-Ace EX and Shimano 600 EX series headset parts.

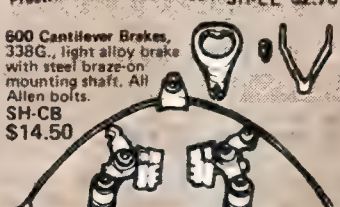
SH-DHT $18.00 Set
works on AX & EX Pedals



Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. ⅛ x 3/32 x 116L. **SH-UC $7.25**

Not for use With Ultra Freewheels

Link Lock, quick, easy assembly or disassembly of chain without the need of tools. **SH-LL $2.70**



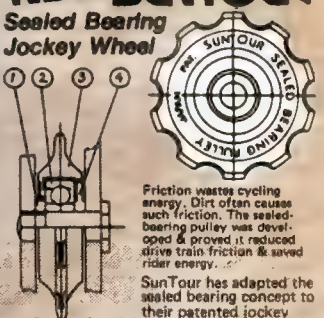
600 Cantilever Brakes, 338G., light alloy brake with steel braze-on mounting shaft. All Allen bolts.

SH-CB $14.50

DC-DL Gran Compe Levers, $11.80 ea.
DC-TL Touring Lever, $3.50 ea.

NEW SUNTOUR

Sealed Bearing Jockey Wheel

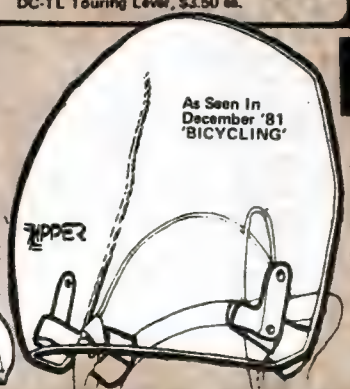


ST-SBP $9.25 pr.

Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.

SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangable with standard SunTour jockey wheels. With Shimano, too.

ZIPPER ROAD FAIRINGS



Zipper Road Fairing, reduces aerodynamic drag an average of about 20% (5% for every day cycling). Ultralight, flexible Lexan shell absorbs road shock. The Zipper helps protect the rider from foul weather. There's enough airflow to keep the body cool during hot weather, yet, in cold weather the hands are protected from icy blasts. Velcro quick-release mounting system. Weight: 14 oz.

ZP-F $51.50

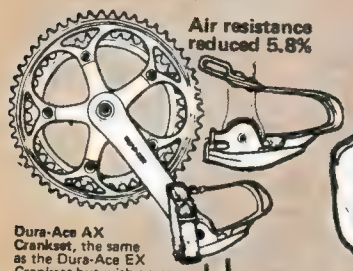
we try to ship same day

"It's truly uncommon to find such a well run company." M.W.

DURA-ACE EX



AX Rear Derailleur, 26T capacity. 214G. Light alloy. Aerodynamic design. Built-in Pulley Tension Spring. Direct Cable Mechanism. New Positive Mechanism. Hexagon Release. **Air resistance reduced 0.82%**
SH-RD7300 $46.80



Air resistance reduced 5.8%

Dura-Ace AX Crankset, the same as the Dura-Ace EX Crankset but with an aerodynamically streamlined chainwheel to compliment the "DD" Pedal. The crank arms are offset for added strength and less thickness.



AX "DD" Dyna-Drive Pedal, aerodynamically efficient in minimizing air resistance. **Weighs Less.** The design utilizes full foot power, thus, **Improved 'Ankling',** increasing pedaling efficiency. **Lower Center-of-Gravity & Increased Road Clearance** increases bicycle stability and rider control. **Improved Shoe Grip** through a specially angled plate. **Sealed Mechanisms** keep rotating parts free of dirt and water for smoother performance. The unique Toe Clip is adjustable **Forward, Backward & Laterally** up to 10mm. The Toe Strap, of a special **No-Fray** material has a **Velcro Fastening System** . Light alloy body and toe clip. Cr-Mo Steel cap and cone. Weight: 173G. (Including Clip and Strap)
Comes 42/52T. Specify: Eng. or Ital.
SH-FC7300-X Complete Set, **$174.50**

CHAINRINGS—39,40,41,42,43,44,45,46,47,48, 49,50,51,52,53 **SH-DCR-X $27.90**

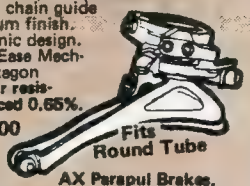
SH-0001400 Toe Strap Band w/Velcro, **$6.80 pr.**
SH-4619003 Toe Clip, Medium, **$6.90 pr.**
SH-4619004 Toe Clip, Large, **$6.90 pr.**

AX Brazed-on Shift Levers, top mount, downtube. Light alloy, anodized finish. Aerodynamic design, Sealed Mechanism, Fairing Cover, Hexagon Release. Weight: 69G. **For Round Tubing.**



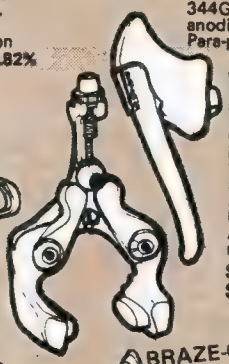
SH-SL7311 $14.50

AX Front Derailleur, 14T capacity. 96G. Light alloy body w/anodized finish/steel chain guide w/Chromium finish. Aerodynamic design. New Trap-Ease Mechanism. Hexagon Release. **Air resistance reduced 0.65%.**
SH-FD7300 $28.80

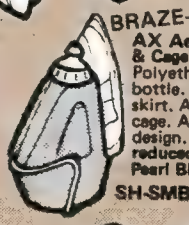


Fits Round Tube

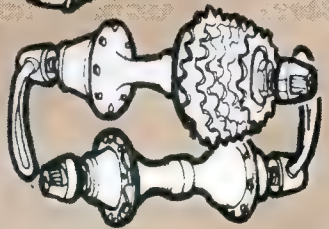
AX Parapul Brakes, 344G. Light alloy, anodized finish. New Para-pull Mechanism. Aerodynamic design. Balanced Braking Mechanism. Quick-Response Mech. QR Lever eliminated. Hexagon Release. AW Brake Shoe. Aerodynamic light alloy Levers. **Air resistance reduced 1.96%**
SH-BR7300 $131.50 set



BRAZE-ON



AX Aero Waterbottle & Cage, 132G. Polyethylene bottle. Plastic skirt. Aluminum cage. Aerodynamic design. **Air resistance reduced 3.77%. Pearl Blue color.**
SH-SMBT10 $10.39

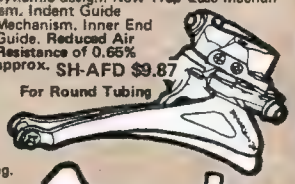


AX Freehub, small flange/6 spd. Weight: 398G. Rear/200G. Front. 32 or 36H. Light alloy Buff Airmite Finish. Gold finish sprockets. Aerodynamic designed Sealed Cap. Non-slip Sprocket. Aerodynamic designed Quick-release Lever. Cassette Gear. Sealed Mechanism. Direction-6 Hub. **Sprockets: Thread-on** 11,12,13,14,15,16,17,18T **Slide-on** 12,13,14,15,16,17,18,19,20,21,22, 23,24,25,26T
Choose any 6 spd. combination from above
Specify: 32 or 36 Hole
SH-K-AHUB-X $84.00

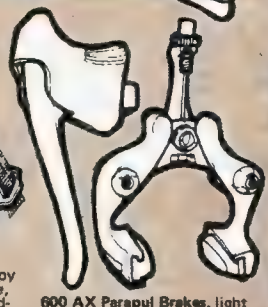
SHIMANO 600 EX SERIES GROUPO



600 AX Front Derailleur, band type. 14T capacity. 107G. Light alloy body; Steel chain guide. Inlet Diameter: 1 1/8". Aerodynamic design. New Trap-Ease Mechanism. Indent Guide Mechanism. Inner End Guide. **Reduced Air Resistance of 0.65% approx.**
SH-AFD $9.87
For Round Tubing



600 AX Rear Derailleur, 28T capacity.218G. Light alloy. Aerodynamic design. Built-in Pulley Tension Spring. Direct Cable Mechanism. New Positive Mechanism. Light Weight. Hexagon Release. 10/14 spd. Adjustable Bolt. **Reduced Air Resistance of 0.82% approx.**
SH-ARD $15.72



600 AX Parapul Brakes, light alloy. 375G. front & rear. Aerodynamic Design. New Para-Pull Mechanism. Balanced Braking Mechanism. Quick Response Mechanism. Quick-release Lever Eliminated. Hexagon Release. AW Brake Shoe. **Reduced Air Resistance of 0.57% (rear) approx. & 1.96% (front) approx.**

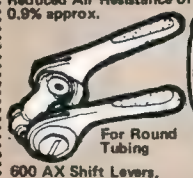


SH-AC $75.50
Inlcudes Crank & Pedals

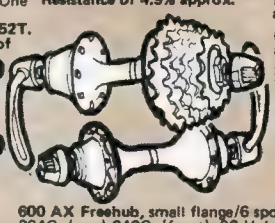
600 AX Crankset, cotterless. Light alloy, Satin finish. Chainrings are light alloy w/ anodized finish.986G. Crank Length: 170mm. English. BB Width: 68mm. Aerodynamic Design. Offset Crank Arm. W-cut Mechanism. One Key Release Mechanism. Safety Crank Arm. **42 x 52T. Reduced Air Resistance of 0.9% approx.**

600 AX DD Pedal, light alloy body, Cr-Mo steel cup/cone, steel toe clip. 237G. (including clip & strap. Same features as the Dura-Ace AX DD Pedal: Aerodynamic Design, DD Mechanism, Sealed Mechanism, Light Weight. Use with 600 AX Chainwheel or Dura-Ace AX Chainwheel. **Reduced Air Resistance of 4.9% approx.**

600 AX Brake Levers, light alloy. 109G. each with pad. Aerodynamic Design. Grip Stroke Adjustment (75-85mm). One-Step Cable Attachment.
SH-APB $59.90 Set



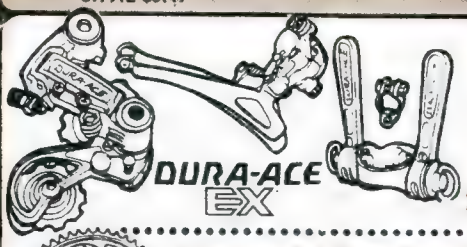
For Round Tubing



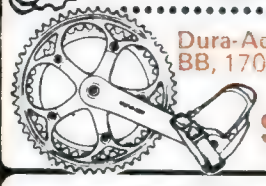
600 AX Shift Levers, band type. 64G. Light alloy. Friction type. Aerodynamic Design. Hexagon Release. With Fairing Cover. Sealed Mechanism. Light Weight. **Reduced Air Resistance of 0.73%** **SH-AL $9.47**

600 AX Freehub, small flange/6 spd. 394G. (rear) 242G. (front). 36 Hole. Aerodynamic Designed Sealed Cap. Super-Shift Sprocket. Aerodynamic Quick-release Lever. Direction-6 Hub. Uni-Blance Mechanism. Light Weight. Cassette Gear. Sealed Mechanism. **Reduced Air Resistance of 0.65% (rear) approx. 13 x 28T.** **SH-AFH $45.65**

Shimano 600 AX GROUPO
SH-600AX
$211.43



Derailleur Set, front and rear derailleurs, DT levers, cables & housing.
SPECIAL $39.95 DA-DS



Dura-Ace EX Dyna-Drive Crankset, Pedals & BB, 170mm, 42 x 52T. Specify: English or Italian
SPECIAL $109.90 set DA-EX-X

ARAYA

Call for Availability

AERODYNAMIC Clincher Rims, light alloy. Weight: 510G (27 x 1") 500G (700c x 25c) Black anodized. **Specify: 32 or 36H. Specify: 27" or 700c.**



AY-ADC-X $59.25 pr.



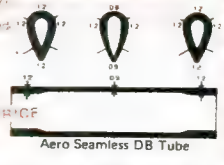
AERODYNAMIC TUBULAR RIM, hardened heat-treated aluminum. 300G. **Specify: 32, 36 Hole**
AY-ADT-X $59.95 pr.



AX SERVICE MANUALS, set of 4 pocket-size (3x4") booklets containing service instructions on the Dura-Ace AX Components. Each manual covers:
Manual 1: Crankset,Pedal,Freehub
Manual 2: Stem,Seatpost,Headset,Bottle
Manual 3: Derailleurs,Shifters,UG Chain
Manual 4: Brake Lever,Caliper Brake
SH-SM Set of 4 Manuals, **$2.50**

AERO

14 Speed AERODYNAMICS RACING



Frame & Lugs	All CR-MO Aero Oval Tubing
Fork	CR-MO Aero
Head Parts	Tange Levin Aero
BB Parts	Shimano DA AX
Hubs (Rear)	Nitto ADRX
Hubs (Front)	Nitto Crystal Blue
Rim Tape	GGK Pearl Aero
Levers	Shimano DA AX
Front Derailleur	Shimano DA AX
Rear Derailleur & Cranks	Shimano DA AX
Pedals	Uniglide
Chain	Shimano DA AX
Rear Derailleur	Shimano DA AX
Cassette	Shimano DA AX
Shift Levers	Shimano DA AX Brazed-on
Freewheel	Shimano DA EX 7spd Gold
Saddle	Kashima Aero Super Pro
Seatpost	Shimano DA AX Oval
Front Hub	Shimano DA AX w Quick Release
Rear Hub	Shimano DA AX w Quick Release
Spokes	Oval 15,16 Stainless
Tires	Panaracer Pasela Tourguard 230G.
Rims	Araya ADX 2 Aero No. 2 type
Waterbottle	Aerodynamic type w Alloy Cage

VERY LIMITED

Weight 19-20 lbs

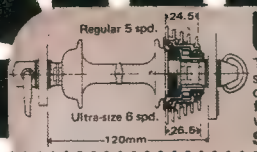
Call for Availability

AERODYNAMIC TUBULAR RIM, hardened heat-treated aluminum. 300G. **Specify: 32, 36 Hole**
AY-ADT-X $59.95 pr.

TS-ADA X
$840 00
NEW LOWER PRICE

"No Wait" Ordering (216)542-3671 • Toll Free 1-800-321-2474

"I'd like to tell you how I'm satisfied in your personnel, quick-shipping and low, low prices." J.Y., Norwalk, OH.



ULTRA

The distance between the sprockets is narrower when compared to an ordinary freewheel. The Ultra-6 will fit a regular 5-spd hub.
SILVER, English only

13,14,15,16,17,19
13,14,15,17,19,21
13,14,17,19,21,24
13,15,17,20,23,26
13,15,18,21,24,28
13,15,18,21,26,32

ST-U6-X $19.90



ULTRA-6 CHAIN, ⅛"x 3/32" with black roller link plates and silver pin link plates. The Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same inner width. Therefore, the Ultra-6 Chain can be used with any ordinary 5 or 6 spd. freewheel.
ST-UC $8.25

NEW Ultra-Lite

From SUNTOUR

Weight: 161G.(13x19)

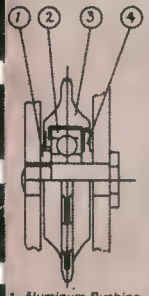


UltraLite 6 Speed Freewheel, English, Aluminum alloy.
WE RECOMMEND 6-Spd HUB SPACING.
Specify:
13 x 19T
13 x 22T
13 x 24T
ST-UL-X $69.95

Remover Tool, ST-ULR $4.50

NEW SUNTOUR

Sealed Bearing Jockey Wheel



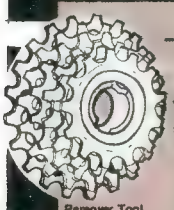
1. Aluminum Bushing
2. Sealed Bearing
3. Resin Pulley
4. Bearing Retainer



Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.

SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangable with standard SunTour jockey wheels.

ST-SBP
$9.25 pr.
Also fits most other derailleurs



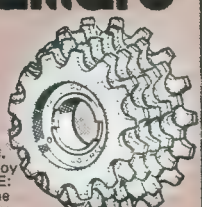
Campagnolo

NEW CA-FW-X Campagnolo Freewheel, aluminum alloy cogs, stainless steel bearings. Patented helical slots makes it effortless to remove. 161G.
CA-FW-12x17
12,13,14,15,16,17 Special $295.00
13,14,15,16,17,18 } CA-FW-X
13,14,15,16,19,21 } $149.20
13,15,17,19,21,23 }
14,15,16,17,19,21 }

Remover Tool, CA-SFR $61.00

maillard

LIGHTEST FREEWHEEL AVAILABLE



Maillard 700, 5/6 spd. forged Magnesium alloy body and cogs. NOTE: Recommended for the experienced rider only. 13,14,15,16,17T. Weight (5 spd): 125G. Works well with Sedis-sport chain.
ML-FW $95.00



Simply replacing the 13T cog with the included double screw-on 12/13T cog converts your 5spd to a 6spd. Weight: 135G.



Removal Tool, a must with this freewheel.
ML-FWR
$4.80

WINNER 6spd FREEWHEEL



13x19 - 13, 14, 15, 16, 17, 19T
13x21 - 13, 14, 15, 17, 19, 21T
13x24 - 13, 14, 17, 19, 21, 24T
13x26 - 13, 15, 17, 20, 23, 26T
13x28 - 13, 14, 16, 19, 23, 28T
13x32 - 13, 14, 17, 20, 26, 32T

Winner 6-spd, English
ST-N6-X
$18.90

NEW WINNER -5spd FREEWHEEL



13x17 - 13, 14, 15, 16, 17T
13x19 - 13, 14, 15, 17, 19T
13x21 - 13, 15, 17, 19, 21T
13x24 - 13, 15, 18, 21, 24T
13x26 - 13, 16, 19, 23, 26T
13x28 - 13, 16, 19, 23, 28T
13x32 - 13, 17, 20, 26, 32T

Winner S, precision steel, English, Silver
ST-N5-X
$16.90

ST-FR Remover for all SunTour, $1.45

NEW PRO COMPE GOLD FREEWHEEL

SPECIAL TOURING 5 Speed

15,18,22,28,38T
English Only
ST-TPC $10.70

NEW PRO COMPE FREEWHEEL 6spd SILVER

14 x 24
14 x 26
14 x 28
14 x 32
14 x 34

English Only
ST-PC6-X
$11.50

PRO COMPE GOLD FREEWHEEL 5spd



14x18- 14,15,16,17,18
14x21- 14,15,17,19,21
14x24- 14,16,18,21,24
14x26- 14,16,19,22,26
14x28- 14,17,20,24,28
14x30 14,18,22,26,30
14x32- 14,18,22,26,32
14x34- 14,18,22,27,34

Stock Sizes at left, English Only-
ST-PC-X $9.70

Any Combination 14 to 34T., Eng. or French-
ST-K-PCC-X $10.90

PRO COMPE GOLD SPROCKETS

Thread-on "A"
14,15,16,17,18
ST-PCT-X $1.90 ea.

Slide-on "B"
16-34T (No 29,31,33)
ST-PCS-X $2.10 ea.



Pro Compe Body, English or French
ST-PCB-X $5.50

Tandem Body, English only, ST-TB $6.80

SPACER PAK: ST-PSP $1.20
Includes: 1 - 1st Gear (do not use w/14T)
1 - 2nd Gear
2 - Low Gear



TANDEM FREEWHEELS—for the extra strength a tandem requires. English, with any sprockets listed above.
ST-K-TF-X $11.77

PLEASE NOTE: Due to occasional factory changes on freewheels-"Inner" Cogs may deviate by 1 Tooth.
EXAMPLE: 19T may sub for a 20T.



Spoke Protector, light alloy w/anodized finish. Diameter: 7½", for 27 - 34T low gear. Weight: 48G.
ST-ASP $1.75



SUNTOUR CONE ADJUSTMENT SPANNER ST-CAS $7.60



SUNTOUR ST-FR FREEWHEEL REMOVER $1.45

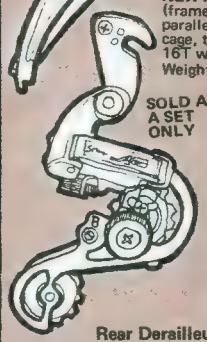
NEW SUNTOUR

Widest Range Available

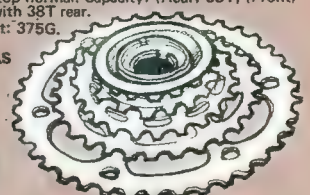


NEW AG Front Derailleur, light alloy body, chromium-plated steel guard, heat-treated steel inner chain guide. Slant parallelogram, Draw bridge system, Inner plate slide. Weight: 155G. 22T capacity ST-AGF $8.99

NEW AG Rear Derailleur, Light alloy/die-cast (frame), Steel with chromium plating. Slant parallelogram, straight wire mechanism, quick cage, top normal. Capacity: (Rear) 38T; (Front) 16T with 38T rear. Weight: 375G.



SOLD AS A SET ONLY



NEW AG 5-Speed Freewheel, boss type. Steel sprockets with brown finish. Forged steel body. Threads: English. With chain guard. **Standard 14,17,22,28,38T.** For use with AG Rear Derailleur.

Rear Derailleur/Freewheel Set, ST-AG $25.27

Cyclone MARK-II

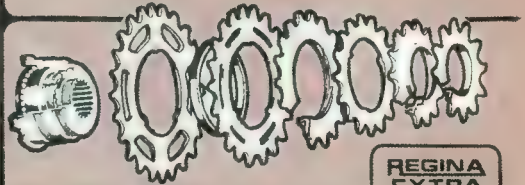
MICRO LITE & AERODYNAMICS



Cyclone Mark II Rear Derailleur, now more compact and lighter. The Cable Fastening Bolt is recessed in the shifting mechanism for a simplified design and improved operating smoothness. Slant Parallelogram. Non-bending Mechanism. Easy cable threading. Top Normal. Available in **Standard Short Cage** (24T capacity) or **Long Cage GT** (32T capacity).
ST-MR Standard, $22.70 ST-GT GT, $25.70

Cyclone Mark II Front Derailleur, light alloy, Parallelogram, Low Normal. New "Endless Band" Mounting replaces the bulky hinged clamp. The Mounting Bolt fits into the derailleur body. 14T capacity. Overall reduction in volume of 26% & weight of 13%.
ST-MF $14.20

"Top Mount" Shift Levers, light alloy body/levers; stainless steel clamp. "Endless Band" Mounting with a recessed clamp bolt. Full 140° lever movement. Internal Travel Stops. "Synchro-Shift" Mechanism automatically adjusts the front lever to center the front derailleur over the chain when the rear derailleur is moved. The slight 'overshift' required for efficient gear changing is also done automatically. 74G.
ST-ML $10.90



REGINA EXTRA

NEW Regina CX Freewheel, 6-Speed. A significant step forward in high-performance freewheel construction. Combines the Advantages of splined cog freewheels with the trustworthiness of Regina full-thread models. The body is improved in overall balance & distribution of its masses-accounting for smoother, quieter freewheeling. The new CX design results in a high degree of finish and extremely narrow tolerances. **6 Speed Sizes:**

RA-CX-X $25.90
13x18T- 13,14,15,16,17,18T
13x21T- 13,14,15,17,19,21T
12x17T- 12,13,14,15,16,17T
14x19T- 14,15,16,17,18,19T



CX Remover, for use with a 23mm wrench.
RA-CXR $3.95

NEW Regina CX Chain, for use with the CX Freewheel, ½ x 3/32. RA-CXC $19.10

"I have been very pleased with your service." T.G. Junction City, OR

we try to ship same day

PLEASE ORDER BY STOCK NUMBER, DESCRIPTION AND PRICE

SUPERBE

Racing Equipment from SUN TOUR

Use Cyclone Mark II Shifters, ST-ML $10.90



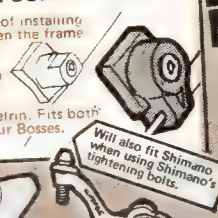
Superbe Rear Derailleur, 23T Capacity. ST-SRD $29.30

Superbe Front Derailleur ST-SFD $19.90

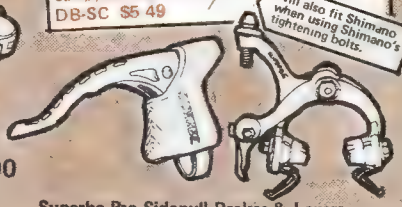
NEW SHIFTER CONVERSION KIT

Solves the problem of installing bar-end shifters when the frame has braze-on bosses for downtube shifters. Just mount kit parts in place of shifters. Made of black reinforced Delrin. Fits both Campy and SunTour Bosses.

DB-SC $5.49



Will also fit Shimano when using Shimano's tightening bolts.





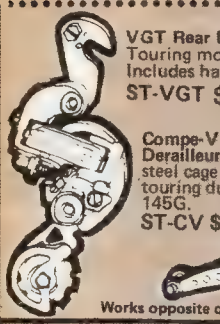
Superbe Pro Pedals, hollow chrome-moly spindles, sealed roller bearings. forged aluminum "H" design bodies. Black cage. 300G. pair.

ST-SPP $55.80 pr.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish, Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr. Short/330G. pr.

Levers are light alloy, drilled w/anodized finish. Natural rubber covers. Weight: 219G. Includes cable & 3 top tube cable clips. Specify: Normal or Short Reach

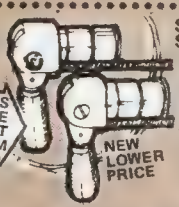
ST-SB-X $59.50 pr.



VGT Rear Derailleur, 295G., Touring model has 36T capacity Includes hanger ST-VGT $10.25

Compe-V Front Derailleur, with steel cage for touring durability. 145G. ST-CV $5.70

Works opposite of other front derailleurs



ONLY ONES AVAILABLE W/RATCHET MECHANISM

NEW LOWER PRICE

SUNTOUR BAR-CON SHIFTERS, 351G. Alloy with cables, housings & clip. ST-BC $15.90 pr.

6mm Allen Key for Bar-Controls. FE-6 50¢



Power Double Lever-M, alloy ratchet, downtube mount, with cables. 204G.

NEW LOWER PRICE

ST-PDLM $7.90

NEW SUPERBE TECH Derailleurs

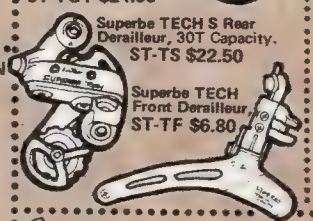
- Permanently lubricated, hermetically sealed shifting mechanism.
- Two large pivot bushings rather than the usual four pins
- Adjustable body angle and slant-parallelogram.
- Frictionless, direct cable routing
- Sealed bearing jockey pulleys
- Twin pivot cage (on GT)
- Only 3% more weight than Superbe Racing



Superbe TECH GT Rear Derailleur, twin pivot cage for better shifting w/wide ratio touring clusters. 34T Capacity. ST-TGT $24.50

Superbe TECH S Rear Derailleur, 30T Capacity. ST-TS $22.50

Superbe TECH Front Derailleur ST-TF $6.80



Chainstay Clip, without gaurd, ST-1080 75¢

Double Cable Clip, for downtube, 23G., ST-1135 85¢

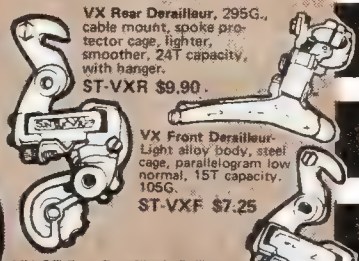
Cable Cutter and Crimper, ST-CCC $11.40

SunTour Braided Inner Wire, for handlebar controls, front & rear. ST-BIW $1.80 ea., $3.50 set

Standard Length Inner Wire, fits all downtube levers. DI-DC 60¢ ea.

ROADVX

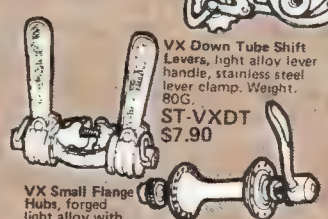
Light Alloy, Slant Pantograph Components at a Budget Price.



VX Rear Derailleur, 295G., cable mount, spoke protector cage, lighter, smoother, 24T capacity, with hanger. ST-VXR $9.90.

VX Front Derailleur- Light alloy body, steel cage, parallelogram low normal, 15T capacity. 105G. ST-VXF $7.25

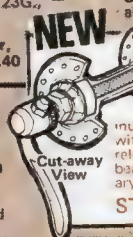
VX GT Rear Derailleur, 34T capacity, 275G., w/hanger. ST-VXGT $13.20



VX Down Tube Shift Levers, light alloy lever handle, stainless steel lever clamp. Weight. 80G. ST-VXDT $7.90

VX Small Flange Hubs, forged light alloy with quick-release skewers. Eng., 36H., 595G. pr. ST-VXSH $21.90 pr.

NEW



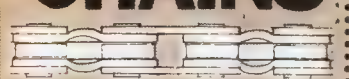
SUNTOUR

SEALED BEARING SM. FLANGE HUBS, 6-Spd. computer-machined alum inum alloy she l. Conventional axles with adjustable retainers.36H., Quick-release. The alloy spacer between the bearings & lock nut acts as a secondary seal against grit and moisture.

Cut-away View

ST-SBH $32.95 pr.

CHAINS





Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. ½ x 3/32 x 116L. SH-UC $7.25

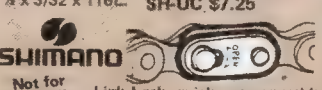


Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Best Buy

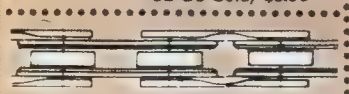
SE-BC Black, $5.90

SE-GC Gold, $6.90

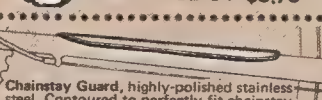


Not for Narrow Chains

Link Lock, quick, easy assembly or disassembly of chain without the need of tools. SH-LL $2.70



ULTRA-6 ⅛"x3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6speed freewheel. 346G. ST-UC $8.25



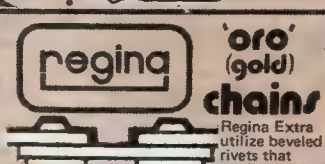
Chainstay Guard, highly-polished stainless steel. Contoured to perfectly fit chainstay. Adhesive-backed to stay secure.

BN-SCG $1.80



Also Fits Ultra-6 & Uniglide

cyclo CHAIN RIVET REMOVER SB-CY $3.75



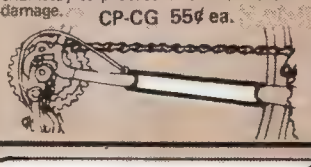
'oro' (gold) chains

Regina Extra utilize beveled rivets that minimize friction and wear to derailleurs caused by conventional protruding rivets. Plated side links. ½ x 3/32" 388G. RA-OC $9.50

NEW **Regina CX Chain,** for use with the CX Freewheel, ½ x 3/32 RA-CXC $19.10



Chainstay Guard, clear plastic, slips over chainstay to protect finish from chain damage. CP-CG 55¢ ea.



chain length

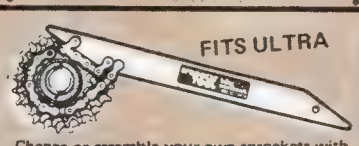


45°

Determining proper chain length: The easiest and least complex method in determining chain length is to simply shift the chain so it grips the largest freewheel (rear) sprocket and the largest front chainwheel at the same time; then adjust the chain so the derailleur tension pulleys can be pulled to a 45° angle with the ground (with front and rear wheels on ground - see illustration) **Note:** To easily shorten or lengthen the chain use a chain rivet remover

bike nashbar SPROCKET TOOL

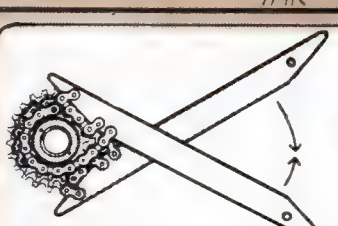
BN-ST 1/$3.75, 2/$6.94 10/$27.49



FITS ULTRA

Change or assemble your own sprockets with our all-new sprocket tool. Now factory-machined, the sprocket tool comes complete with easy-to-follow instructions; cut-away illustrations showing the different types of design and assembly; and a really helpful sprocket tooth-counting chart that lets you determine tooth count at a glance!

The entire sprocket tool kit comes poly-bagged and will quickly become one of the most valuable and indispensable tools in your collection. Use one if a sprocket vice is available, or use 2 without a vice or right on the wheel itself!



Using the new sprocket tool, Freewheel sprockets may be removed on the spot without having to remove the freewheel assembly from the wheel. Using two sprocket tools, no vice is needed- one person can easily perform the entire operation.

To remove the first (outside) sprocket: place one tool to the left side of the Freewheel assembly - with chain edge against the fourth sprocket down, wrap the chain counterclockwise around the teeth.

Place the other tool with chain edge against the right side of the first outside sprocket. Wrap the chain clockwise around the sprocket teeth.

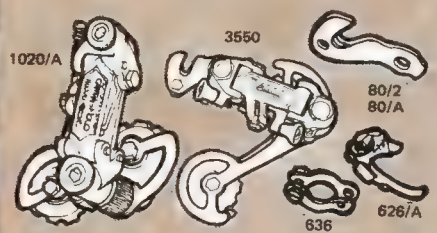
Note: It's best to crisscross the tools, so that they work against each other. (see illustration)

In this way, by pulling the two tools together, the assembly is held steady while the outer sprocket is forced to unthread. Repeat the two steps for the rest of the threaded sprockets. Any slotted sprockets will pull off of the body. That's all there is to it!

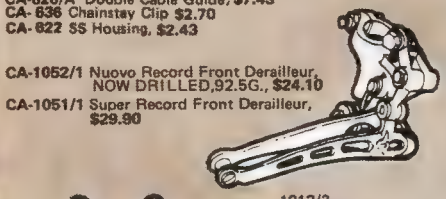
Campagnolo

Over the years the name of Campagnolo has garnered more respect and admiration among racers and touring cyclists than any other in the cycling world. Campagnolo's reputation for quality and dependability has been proven at all racing events the world over. Parts availability has been greatly improved, making Campy parts in-stock items.

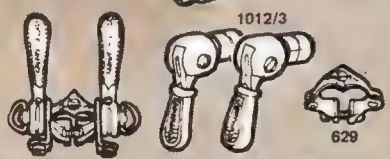
As an added convenience, Campagnolo now includes a Limited Lifetime Warranty on all components. Campagnolo—A standard of excellence you can depend on.



CA-1020/A Nuovo Record Rear,199G.,28T. **$49.80**
CA-3550 NEW Touring, w/36T range, and slant parallelogram design,310G. **$62.60**
CA-1020/18 Super Record Rear Derailleur, black, w/out hanger, 187.6G., **$69.50**
CA-80/2 Nuovo Record Hanger, **$1.28**
CA-80/A Rally Hanger **$1.42**
CA-626/A Double Cable Guide, **$7.43**
CA-636 Chainstay Clip **$2.70**
CA-622 SS Housing, **$2.43**



CA-1052/1 Nuovo Record Front Derailleur, NOW DRILLED,92.5G., **$24.10**
CA-1051/1 Super Record Front Derailleur, **$29.90**

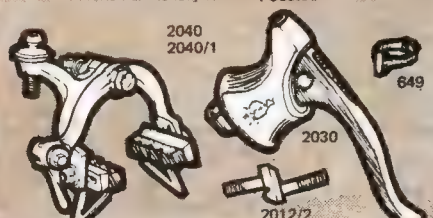


CA-1014 Nuovo Record Downtube Shifters, 74.6G. **$15.50**
CA-1012/3 Bar End Shifters (2),108.2G. **$29.95**
CA-629 Fulcrum Clip for above, **$3.98**
CA-218 Front changer cable to handlebar control, **$3.04**
CA-145 Gear cable to handlebar control, **$3.51**
CA-625 S.S.Outer Casing to d.t.handlebar control, **$5.25**
CA-1013/5,6 Braze-on Lever Set, **$15.50**



Specify Threads: English, French or Italian

CA-1039-X Nuovo Record Road Headset complete, 216.6G. **$29.90**
CA-1040-X Nuovo Record Track Headset complete, **$38.95**
CA-2101 Bearing Set for Road Headset **$2.31**
CA-4041-X Super Record Road Headset, ultralight, English, French or Italian, 151.3G., **$39.90**



CA-2040 Nuovo Record Brake Set-brakes, handles and cables. (Pr.)789.7G. **$109.00**
CA-2040/1 Same as above but w/extra short reach, 786G. **$109.00**
CA-2030 Nuovo Record Brake Handle w/hood,110.4G. **$64.50**
CA-2012/2 Drop Center Bolt for touring frames,28.9G. **$17.21**
CA-649 Cable Clip Set (3) **$7.43**
CA-4061 Super Record Brakeset, Normal Reach, drilled levers, **$119.90**
CA-4061/1 Super Record Brakeset, Short Reach, drilled levers, **$119.90**
CA-2010 Brake block **$2.70**
CA-2039 Rubber lever hood **$7.09**



CA-1253 Nuovo Tipo Lg. Flange Hubs, 567.1G., **$49.90** pr.
CA-1251 Nuovo Tipo Sm. Flange Hubs, 508.4G., **$46.90** pr.
CA-1035-X Nuovo Record Lg. Flange, 595.6G., **$76.80** pr.*
CA-1034-X Nuovo Record Sm. Flange, 519.2G., **$64.50** pr.*
CA-1034/35-X Special Hi/Lo Flange, 541.8G., **$87.95** pr.*
CA-1036/2-X Nuovo Record Sm. Flange Track, **$77.95** pr.*
CA-1036-X Nuovo Record Lg. Flange Track, **$77.95** pr.*

CA-1034/A-X Nuovo Record Front Sm.Fl. Hub, **$36.25** ea.*
CA-1034/P-X Nuovo Record Rear Sm.Fl. Hub, **$38.25** ea.*
CA-1035/A-X Nuovo Record Front Lg. Fl. Hub, **$42.40** ea.*
CA-1035/P-X Nuovo Record Rear Lg. Fl. Hub, **$44.40** ea.*

CA-1034/6-X Nuovo Record 6-spd. Sm. Fl. Hubs, **$68.50** pr.*
CA-1035/6-X Nuovo Record 6-spd. Lg. Fl. Hubs, **$80.80** pr.*
CA-1034/P6-X Nuovo Record Rear 6-spd. Sm. Fl., **$42.25** ea.*
CA-1035/P6-X Nuovo Record Rear 6-spd. Lg. Fl., **$48.40** ea.*

*** We stock 36 Hole. Specify if: 24, 28, 32 or 40 Hole.**



CA-632 Umbrella Pump Clip, **$6.75**
CA-648 Superlight Peg Pump Clip, **$3.51**

CA-1030/2 Metal Pump Head (Silca) with blue rubber tip legs, Presta, **$8.50**
CA-3346 Superlight Pump Head (Silca) **$5.50**

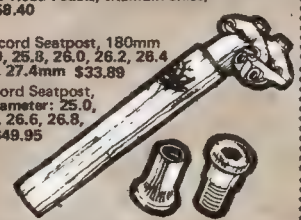




CA-ATC-X Aluminum Toe Clips, Silver. Sizes: S,M,L **$14.50** pr.
CA-STC-X Steel Toe Clips, Silver. Sizes: S,M,L. **$10.50** pr

CA-1037 Nuovo Record Road, Chrome, 415.7G. **$59.97**
CA-1037/A Nuovo Record Road SL, Black, 332.8G. **$64.50**
CA-1038/A Nuovo Record SL Track, Black, 322.4G. **$80.95**
CA-4021 Super Record Road Pedals, titanium axles, 269.8G., **$158.40**

CA-1044-X Nuovo Record Seatpost, 180mm length. **Diameter: 25.0, 25.8, 26.0, 26.2, 26.4 26.6, 26.8, 27.0, 27.2, 27.4mm $33.89**
CA-4051-X Super Record Seatpost, fluted, wide cradle. **Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm $49.95**



CA-1072 Allen Seatpost Bolt, 8mm, 8.9G., **$5.00**
CA-1070 Superlight Seatpost Bolt, drilled, 10mm, 9.7G., (drill out frame hole to fit), **$5.00**



CA-1048 Nuovo Record Crankset, with Nuovo Record BB Assembly. 170mm crank arms. English/68mm. 976.7G. **42 x 52T. $119.90**

CA-K-1048-X Nuovo Record Crankset with your choice of Nuovo Record BB Threads. **Specify: Eng. or Fr. (68mm) or Italian (70mm); Arm Lengths, Specify: 165 to 180mm; and Chainring Teeth (2), Specify: 42 to 52T. $146.50**

CA-1049 Nuovo Record Crankset, without Bottom Bracket. 170mm Arms. 42 x 52T. **$99.00**

CA-K-1049-X Nuovo Record Crankset, without Bottom Bracket. Your choice of Arm Lengths, **Specify: 165 to 180mm; and Nuovo Record Chainrings, Specify: 42 to 52T. $109.50**

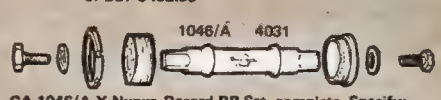
CA-1050-X Nuovo Record Track Crankset, with BB, **$130.00**
CA-753-X Nuovo Record Chainrings, 41,42,43,44,45,46,47, 48,49,50,51,52,53,54,55,56,57T., **$33.90 each**

CA-K-1049/A-X Super Record Road Crankset, Without Bottom Bracket. Your choice of Arm Length, **Specify: 165 to 180mm; and Super Record Chainrings (2), Specify: 42 to 52T. $110.80**

CA-753/A-X Super Record Chainrings, ultralight, 42,43,44,45, 46,47,48,49,50,51,52,53,54,55,56,57T. **$37.80 ea.**

CA-1048/3 Triple Crankset, 36T bottom and any other 2 Chainrings. Choice of Record BB. **$199.95**

CA-1048/T Triple Tandem Crankset, with crossover drive. 42T bottom and any other 2 chainrings. Choice of BB. **$482.95**



CA-1046/A-X Nuovo Record BB Set, complete, **Specify: Eng. or Fr. (68mm) or Ital. (70mm), $42.80**
CA-4031-X Super Record BB Set, Titanium spindle. **Specify: Eng. or Fr. (68mm) or Ital. (70mm), $148.90**



NEW CA-FW-X Campagnolo Freewheel, aluminum alloy cogs, stainless steel bearings. Patented helical slots makes it effortless to remove. 161G.
CA-FW-12/17
12,13,14,15,16,17 Special $295.00
13,14,15,16,17,18 / 13,14,15,16,19,21 / 13,15,17,19,21,23 / 14,15,16,17,19,21 } **CA-FW-X $149.20**
Remover Tool, CA-SFR $61.00

groupo

NUOVO RECORD ROAD GROUPO, Specify: Normal or Short Reach Brakes, Hub Holes & Flange, Threads, Post Diameter, Arm Length, Chainring Teeth. **Groupo now comes with Super Record Chainrings no extra cost.**
CA-K-1032/F-X N.R. Groupo, $495.50

CA-606 Rear Derailleur Cable, 118cm
CA-608 Front Derailleur Cable, 72cm
CA-622 Rear Derailleur S.S. Cable Casing, 21cm
CA-626/A Dual Derailleur Cable Guide, new style
CA-636 Rear Derailleur Cable Stop Chainstay
CA-632 Seat Tube Pump Clip
CA-649 Brake Cable Clips, 3
CA-1014 Downtube Shifters or **CA-1013/5,6** Braze-on Levers
CA-1020/A Nuovo Record Rear Derailleur,w/out hanger
CA-1052/1 Nuovo Record Front Derailleur
CA-1030/2 Special Pump Adaptor
CA-1034-X Record 5-spd Sm. Fl. Hubs, Specify Holes
CA-1037 Nuovo Record Road Pedals
CA-1039-X Record Road Headset, Specify: Eng.,Fr.,Ital.
CA-1044-X Record Seatpost, Specify: 25.0 to 27.4mm
CA-1046/A-X Nuovo Record BB Set, Specify: Eng.,Fr.,Ital.
CA-751-X Right Crank Arm, Specify: 165 to 180mm
CA-752-X Left Crank Arm, Specify: 165 to 180mm
CA-753/A-X Super Record Chainrings (2), Specify: 42-57T
CA-754/5 Chainwheel Fastening Screw/Nut, Set of 5
CA-2040-X Record Brakeset, Specify: Normal or Short

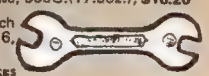
Large Flange or 6-Speed Hubs/$4.00 Additional

tools

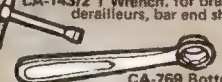


CA-3385 Special Grease, 100G.(3.5oz.), **$4.73**
CA-3386 Special Grease, 500G.(17.5oz.), **$16.20**

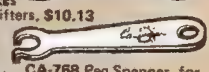
CA-Q Cone Wrench 13/14 or 15/16, **$6.50**



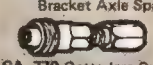
CA-143/2 T Wrench, for brakes derailleurs, bar end shifters, **$10.13**



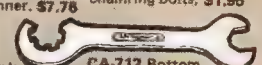
CA-769 Bottom Bracket Axle Spanner. **$7.75**



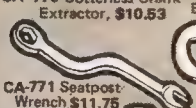
CA-768 Peg Spanner, for chainring bolts, **$1.95**



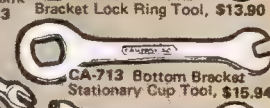
CA- 770 Cotterless Crank Extractor, **$10.53**



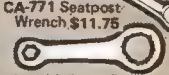
CA-712 Bottom Bracket Lock Ring Tool, **$13.90**



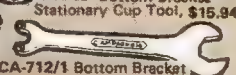
CA-771 Seatpost Wrench,**$11.75**



CA-713 Bottom Bracket Stationary Cup Tool, **$15.94**



CA-710 Pedal Dust Cap Wrench, **$2.23**

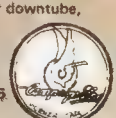


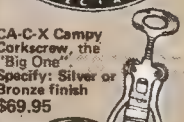
CA-712/1 Bottom Bracket Adjusting Cup Tool, **$13.98**
CA-EP Pins, $2.84 Pair



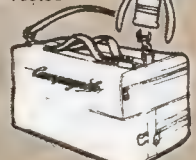
Campagnolo Decal for downtube, **CA-D 50¢ each**

Campy Belt Buckle, LIMITED EDITION
CA-BB Brass, **$9.85**
CA-PB Pewter, **$9.85**





CA-C-X Campy Corkscrew, the "Big One". **Specify: Silver or Bronze finish $69.95**



Campagnolo Deluxe Travel Bag, designed of nylon with reinforced bottom for long wear. Double bottom zips from the side for easy access. Comes with a shoulder strap. Navy with Blue and White Trim.
CA-TB $36.80

Campagnolo Decal, measures 4½" wide. Comes with 2 of each color: Blue,Black,Orange, Yellow,Red
RR-CAD 10 for $2.95

Campagnolo

Old-style Campagnolo Decal, measures 3¾" wide. Full-color.
RR-OCAD Old-style, **50¢ each**

NEW SunTour Sealed-Bearing Jockey Wheels, also work with Campagnolo rear derailleurs.
See page 18 for more info.
ST-SBP $9.25 pr.

"You are head and shoulders above the competition," T.D., Fort Lauderdale, FL

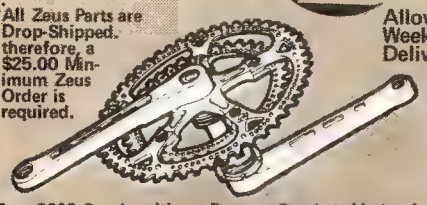
we try to ship same day

zeus

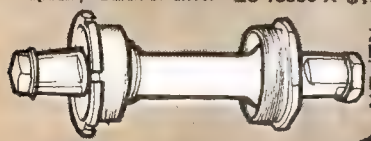
ALL SPECIAL ORDER

*All Zeus Parts are Drop-Shipped, therefore, a $25.00 Minimum Zeus Order is required.

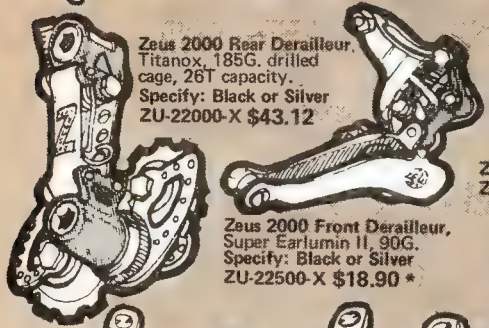
Allow 2 Weeks Delivery



Zeus 2000 Crank, without Bottom Bracket. Made of Titanox, 698G. 170mm crank arms. Drilled chainrings. Your choice of chainrings: 36 to 56T
Specify: Black or Silver **ZU-13000-X $103.92**

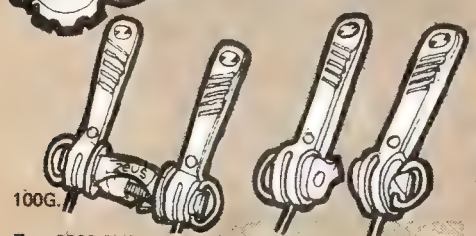


Zeus 2000 Bottom Bracket, Titanox, 175G. Eng. or Italian
ZU-23000-X $53.90



Zeus 2000 Rear Derailleur, Titanox, 185G. drilled cage, 26T capacity.
Specify: Black or Silver
ZU-22000-X $43.12

Zeus 2000 Front Derailleur, Super Earlumin II, 90G.
Specify: Black or Silver
ZU-22500-X $18.90*



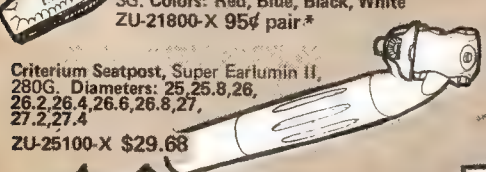
100G.

Zeus 2000 Shift Levers, with clamp, downtube, includes cable/housing. Silver.
ZU-21000 $6.50*

Zeus 2001 Braze-on Shift Levers, with braze-on boss. 65G. Includes cable/housing. Silver
ZU-20900 $6.96*



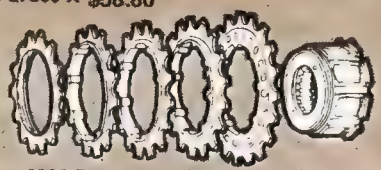
Rubber Covers, for shift lever handles, 3G. Colors: Red, Blue, Black, White
ZU-21800-X 95¢ pair*



Criterium Seatpost, Super Earlumin II, 280G. Diameters: 25,25.8,26, 26.2,26.4,26.6,26.8,27, 27.2,27.4
ZU-25100-X $29.68



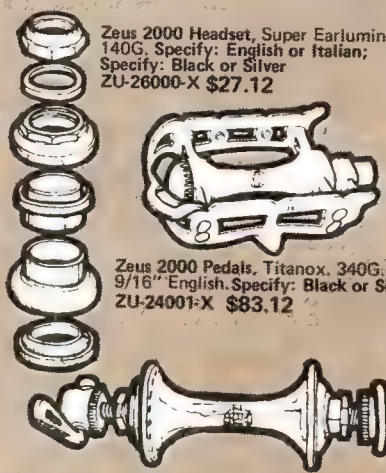
Zeus 2001 Sidepull Brake Set, Super Earlumin II, 640G. Fitted with curved brake shoes to follow the line of the rim. Quick-release on rider side of calipers. Includes drilled levers & gum hoods. Includes cables and housing. Specify: Black or Silver
ZU-27000-X $58.80



Zeus 2000 Freewheel, 5 Speed, Super Earlumin II, 210G. (14 x 22T). English. Your choice of combination: 14 to 30 Teeth
ZU-29100.05-X $55.96

Zeus 2000 Freewheel, 6 Speed. Super Earlumin II, 250G. (13 x 23T). English. Your choice of combination: 13 to 30 Teeth
ZU-29100.06-X $62.32

Zeus Aluminum Track Cogs, 13,14,15,16,17,18,19T
ZU-28450-X $7.10 each*



Zeus 2000 Headset, Super Earlumin II, 140G. Specify: English or Italian; Specify: Black or Silver
ZU-26000-X $27.12

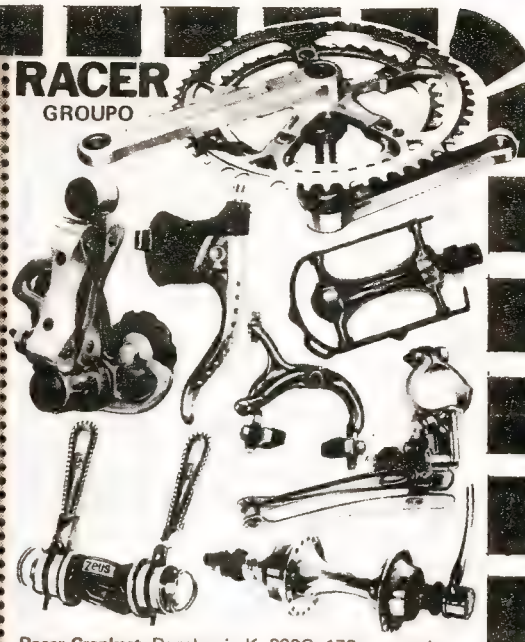
Zeus 2000 Pedals, Titanox, 340G. 9/16" English. Specify: Black or Silver
ZU-24001-X $83.12

Zeus 2000 Hubset, Titanox, 470G. Titanium Skewers. English. Quick-release. Specify: Black or Silver
Specify Holes: 24, 32, 36, 40H Specify: 5 or 6 spd.
ZU-28000-X $94.32

ZU-C104 Zeus Catalog 104, **$8.00**

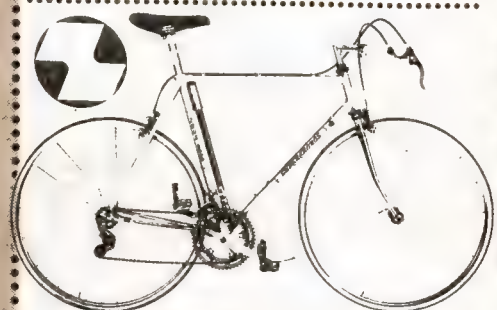
RACER

GROUPO



Racer Crankset, Duralumin K, 880G. 170mm crank arms. Standard 36 x 52T. With BB. English or Italian.
Racer Rear Derailleur, Duralumin S, 210G.
Racer Front Derailleur, Duralumin S, 95G.
Racer Shift Levers, downtube, Duralumin S, 80G.
Racer Pedals, Duralumin S(steel), 440G. Eng. or Italian.
Racer Brakeset, sidepull, Duralumin S, 650G. Quick-release, drilled levers. Includes cable/housing.
Racer Hubset, Duralumin S, 550G. 36H. Quick-release. English. Specify: 5 or 6 speed.

ZU-RG-X Racer Groupo, **$183.90**



Zeus SUPERCRONOS Frame, Reynolds 531 SL Tubing. Chrome Lugs on head tube. Chrome Flats on rear dropouts. Chrome Fork. Zeus Dropouts 29400.00 with Rear Adjustors. Braze-ons for downtube levers, Waterbottle Cage Bosses, All Braze-on Cable Guides.
Head Tube: 74°; Seat Tube: 75°
Colors: Red, Blue, Green
Sizes: 50,52,54,56,58,60cm **ZU-SCF-X $470.00**

Zeus SUPERCRONOS Assembled Bicycle, same specs as SUPERCRONOS Frame. Zeus 2000 Components, Silver. Neo Pro Tubulars, Mavic Professional Rims, Christophe Z-Clips and Straps, Braze-on Lever Assembly. 20lbs. Includes Zeus Frame-fit Pump and Zeus Waterbottle & Alloy Cage. Colors: Red, Blue, Green
Sizes: 50, 52, 54, 56, 58, 60, 62cm
ZU-B-X $1100.00



NEW

Campagnolo Lycra Jersey, 90% nylon/10% Lycra Spandex fits like a second skin. Highly elastic-moves with every motion of the rider. Zippered. Hemmed sleeves. Rear pockets. Campy logo silk-screened on front & back. Color: Yellow w/Black
Sizes: S, M, L
CA-PJ-X $29.95



NEW

NEW Campagnolo Catalog, details, photographs, statistics and exploded views of main components, complete groupos, complete tool cases, single tools, special tools, accessories, promotional items. From the exclusive official supplier of technical assistance to the cycling events of the 1984 Olympics. 48 pg.
BO-CC $4.50

MOST SMALL PARTS IN-STOCK

NEW Campagnolo



Lapel Pin Set, 1984 Olympic theme, "Stars in Motion" in red, white & blue on gold. Each with different Campagnolo logo. Set of 3
SPECIAL $11.50 CA-LP

A GREAT GIFT IDEA!

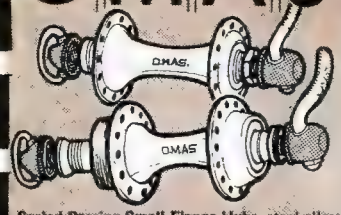
Key-Ring Bottle Opener, NEW from HH Engineering. Made from a Campagnolo Fork Dropout with a key-ring attached. Available in either a highly polished chrome finish or a special hand-selected heavy 24K gold finish. Comes in a white jewelry box.
HH-KRC Chrome, **$12.50**
HH-KRG Gold, **$25.00**



NEW

"I assure you I will continue to deal with your fine organization," B.S., Poughkeepsie, NY.

OMAS



Sealed Bearing Small Flange Hubs, steel alloy axles, precision sealed bearings, aluminum skewer ends. 36 Hole. A beautifully-finished hub. English. **Specify: 5 or 6 speed**
OS-H-X $64.50



Crankarm Fixing Bolts, superlight aluminum. 15mm. With washers. Fits Campy, Sugino. **Black.** Pair.
OS-CAB $4.70



Chainring Fixing Bolts, 5 bolts and sleeved nuts. Superlight aluminum fits Campy, Sugino, SR & Shimano. **Black.**
OS-CRB $7.90

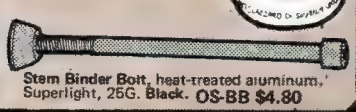
Seatpost Bolt, heat-treated aluminum. 5mm hex size. 8mm diameter. 2.5G. **Black.**
OS-SP $3.90



Titanium Sealed Bottom Bracket, titanium axle w/aluminum cups. Perfectly adjusted sealed bearing cartridges in specially machined cups. Each cup has a lock ring. Fits Sugino & Campy. **Specify: 68 or 70mm; English or Italian.**
OS-TBB-X $69.80



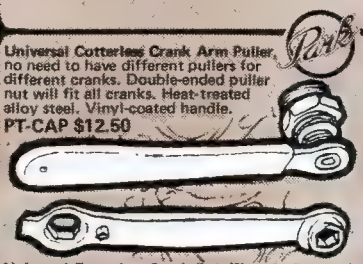
OMAS Headset, made of super light, anodized aluminum. Ball races are forged and precision ground. OMAS uses small (1/8) bearings and more of them to spread the contact load over a greater area. Excellent value. Weight: 96G. (60G. lighter than Super Record). **Specify: English or Italian.**
OS-HS-X $32.95



Stem Binder Bolt, heat-treated aluminum. Superlight, 26G. **Black.** **OS-BB $4.80**



Gold seal grease, high-grade waterproof bicycle grease especially prepared for: head bearings, hubs, forks, cranks, & pedals. Protects against wear and corrosion.
2 oz. tube only PA-GS 75¢ ea.



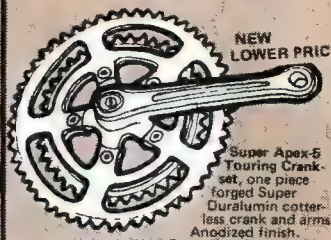
Universal Cotterless Crank Arm Puller, no need to have different pullers for different cranks. Double-ended puller nut will fit all cranks. Heat-treated alloy steel. Vinyl-coated handle.
PT-CAP $12.50



Universal Cotterless Crank Bolt Wrench, fits crank arm fixing bolts of all cotterless cranks. One end has a screwdriver of 5mm hex for dust caps. There's also 14, 15 and 16mm box ends. **PT-CBW $11.40**

ADDITIONAL TOOLS ON PAGE 31

SAKAE



NEW LOWER PRICE

Super Apex-5 Touring Crankset, one piece forged Super Duralumin cotterless crank and arms. Anodized finish. Super Duralumin cold rolled chainrings. 170mm arms. 68mm BB. Approx. 600G. **Specify: Eng., Fr. or Italian**
Specify: 28x38T, 32x52T, 42x52T, 36x50T.
SR-A5-X $44.70

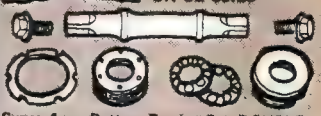
Super Apex 5 Triple Touring Crankset, 68mm BB. 170mm crank arms. **34 x 42 x 52T.**
Specify: English, French or Italian.
SR-A5T-X $48.30

Super Apex 5 Chainrings, Super Duralumin,
Specify: 28,30,32,34,36,38,39,40,42,44,46,48, 50,52,54T. SR-A5C-X $8.90 each

Crank Arms, includes bolts, dust cover.
SR-RA Right Arm, **$28.50**
SR-LA Left Arm, **$24.50**



Cotterless Crank Fixer & Extractor, 99G.
SR-CE $5.25



Super Apex Bottom Bracket Set, DOUBLE, Chrome-moly steel. 119.0mm length. **Specify: English/68mm, French/68mm, Italian/70mm**
SR-ABD-X $12.80

Super Apex Bottom Bracket Set, TRIPLE, 121.5mm length. **Specify: English/68mm, French/68mm, Italian/70mm**
SR-ABT-X $13.80

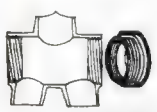
bike builders blueprints crankset installation

THREADING INFORMATION

B. B. ASSEMBLY	FIXED CUP
English (1.370 x 24 TPI)	Left-hand thread (Counter-clockwise)
French (35 mm x 1.0 mm) / Italian (36 mm x 24 TPI)	Right-hand thread (clockwise)



IMPORTANT NOTE: Apply liberal amounts of grease to all threads and bearings before assembly.

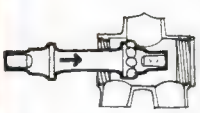


B. B. shell cut-away from above

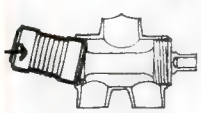
1. Thoroughly clean bottom bracket shell threads with a fine brush before assembly. Using a fixed cup spanner, carefully thread the fixed cup (with flange) in the right bottom bracket shell. Be sure to tighten very snugly.



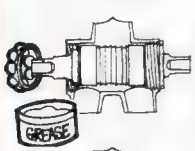
2. Place one bearing retainer well packed with bearing grease) on longer spindle end. Be sure to place flat side of retainer towards spindle shoulder. If installed backwards, the retainer will cause severe scoring of the inner cup.
Option: Many pro bikers prefer to remove the bearing balls from the retainer keeper and install them stuck in place with grease. Doing this, one extra ball is used on each side. The advantage is just slightly less friction.



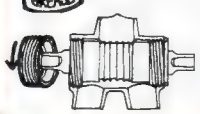
3. Insert the spindle end (with bearing mounted) through the bottom bracket shell from the left side, sliding spindle tip through the opening in the already-installed fixed cup.



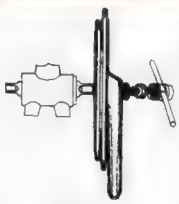
4. While holding the inserted spindle in place, slide the plastic dust seal over the spindle inside the B. B. shell until proper contact is made with the inside of the fixed cup.



5. While still holding the spindle in place, slip the other bearing retainer (well packed with grease) over the left end of the spindle. Again, be certain the flat side of the retainer faces the spindle shoulder. This places the exposed bearings towards you.



6. Again holding the spindle, thread the adjustable cup into place over the spindle. Hand tighten the cup at this point just enough to seat the bearings.



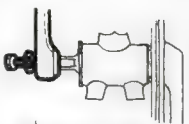
7. Place the right-hand crank arm assembly in position, over the right end of the protruding spindle. Carefully slide the arm in place, being certain to properly level it upon the spindle. Thread crank arm bolt (with washer) into the spindle-end. A crank bolt wrench is needed to tighten this bolt. Making certain no cross-threading is taking place, tighten the bolt very firmly.



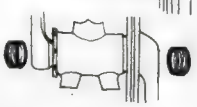
8. Adjust the tightness of the adjustable cup--smooth operation is desired here. Using your pin-spanner, tighten until slight drag resistance is felt in crank movement, and back off approximately 1/6 turn.



9. When the adjustable cup has been properly set, hold in position with the pin-spanner and install lock ring. Firmly tighten the lock ring against the B. B. shell using a lock ring spanner. Use caution here, as these cups sometimes tend to move as the lock ring is tightened. Repeat operation if necessary until proper adjustment is completed.



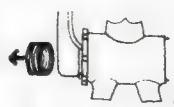
10. Install left-hand crank arm utilizing the same method employed when the right arm was installed. Remember that the crank arms must face in opposite directions. (i. e. - one arm pointing rearward, the other forward).



11. Re-check both crank arm bolts for tightness. Install threaded bolt dust covers. (Do not overtighten covers).

Your new crankset is now installed and ready to accept chain hookup and pedals.

crank removal



First unthread the protective cap covering the crank arm bolt.

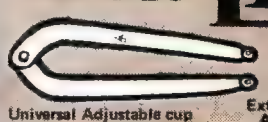


Place the socket end of the crank extracting tool over the crank arm bolt. Using the proper wrench or leverage rod, unthread the crank arm bolt.



To remove the crank arm, use the threaded extractor: First unthread the inner bolt of the tool so the face is flush with the larger tool housing. Thread the housing into the crank arm bolt opening--tighten snugly. Now, using the proper wrench, tighten the extracting tool's inner bolt. This will place pressure on the spindle end, resulting in extraction of the crank arm.

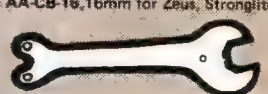
tools



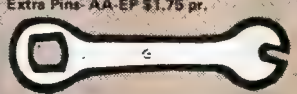
Universal Adjustable cup Spanner, AA-UCS $5.50
Extra Pins- AA-EP $1.75 pr.



Artisan Crank Bolt Socket Wrench, Specify:
AA-CB-14, 14mm for DA,SR,Nervar, Maxy, Apex- **$2.80**
AA-CB-15, 15mm for Campy, Sugino, Mighty, TA- **$2.80**
AA-CB-16, 16mm for Zeus, Stronglite- **$2.80**



Adjustable Cup Spanner, fits Campy, DA, Sugino and 32mm Headset. **AA-ACS $7.80**
Extra Pins- AA-EP $1.75 pr.



Fixed Cup Remover on one end fits Campy, DA,Sugino, etc. 15mm Pedal Wrench on other end. **AA-FCR $6.80**



Lock Ring Spanner, fits all notched lock rings and 32mm Headset. **AA-1LR $6.50**
Campy 3-Prong, **AA-3LR.$6.60**

we try to ship same day

"You can be sure if I need anything I'll check your catalog first." B.D., Bakersfield, CA

Sugino CHAINWHEEL



AERO MAXY FE

Aero Maxy FE Double Crankset, gravity casting light alloy crank with melt-forged light alloy arm. Barrel finished. Cotterless type. 170mm arm length. Cold rolled steel chainrings are grit blasted & chrome plated. 42 x 52T

SU-FE-X English, $19.40
French, $21.30
Italian, $21.30



GT

Sugino GT Crankset, melt-forged Duralumin crank and arm. Cotterless-type. 170mm crank arms (for chainrings down to 34T). Note: GT 175mm arms go down to 24T. Includes BB, chrome cups and DX spindle.

SU-GT-X Double, 42x52T, Eng., $43.40
Fr., $44.90
Ital., $44.90

SU-GTT-X Triple, 34x42x52T, Eng., $46.90
Fr., $48.70
Ital., $48.70

GT Chainrings, Duralumin. **SU-GTC-X**
24,26,28,30,32,34,36,38,40T, $7.40 each
42,44,45,46,47,48T, $9.05 each
49,50,51,52,53,54T, $9.90 each



GS

Sugino GS Crankset, melt-forged Duralumin crank and arms. Cotterless-type. 170mm arms (for chainrings down to 42T). Includes BB. Drilled chainrings. 42 x 52T.

SU-GS-X English, $43.50
French, $44.80
Italian, $44.80

GS Chainrings, drilled Duralumin. **SU-GSC-X**
42,43,44,45,46,48,49,50,51,52,53,54T, $13.15 each

NOTE: GS, Aero Mighty, Mity Compe and Mity Custom all use the same GS Chainrings.
GT, Mighty Tour and Maxy all use the GT Chainrings.

AERO Sugino



AERO MIGHTY

Improved weight, strength & hardness based on the latest Aero-Design. Reduction of air resistance through the Teardrop shape of the 5 arms and crank. Crankarm Length: 170mm. English, 68mm axle. Weight: 610G (Double). W/Autex

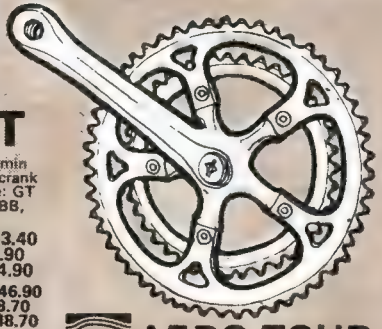
SU-AMD Double, 42x52T, $84.80

Uses GS Chainrings

GS Chainrings, drilled Duralumin. **SU-GSC-X**
42,43,44,45,46,48,49,50,51,52,53,54T, $13.15 each

Above Aero Mighty Crank with your choice of Sugino BB Threads, **Specify: English, French or Italian;** Arm Lengths, **Specify: 165,170,175mm;** and GS Chainrings (2), **Specify Teeth.**

SU-K-AMD-X $96.36



AERO TOUR

Aero Tour DOUBLE Crankset, forged from Super Duralumin. Cotterless-type crank & arm are forged into 1 piece. Chainrings are Drilled Super Duralumin. Anodized. Comes with the Autex one-key release System. 170mm crank arms. **Specify: English, French or Italian.**

Specify: 34 x 52T or 42 x 52T.

SU-ATD-X Double, $54.50

Uses GT Chainrings

GT Chainrings, Duralumin. **SU-GTC-X**
24,26,28,30,32,34,36,38,40T, $7.40 each
42,44,45,46,47,48T, $9.05 each
49,50,51,52,53,54T, $9.90 each

Above Aero Tour Double Crankset with your choice of Sugino BB Threads, **Specify: English, French or Italian;** Arm Lengths, **Specify: 170 or 175mm;** and GT Chainrings, **Specify Teeth.**

SU-K-ATD-X $78.30

Aero Tour TRIPLE Crankset, same as Aero Tour Double. 170mm Crank Arms. English/68mm BB. 34 x 42 x 52T.

SU-AT3 Triple 34x42x52T, $65.90

Above Aero Tour Triple Crankset with your choice of Sugino BB Threads, **Specify: English, French or Italian;** Arm Lengths, **Specify: 170 or 175mm;** and GT Chainrings (3), **Specify Teeth.**

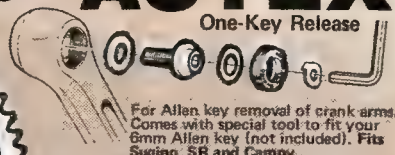
SU-K-AT3-X $89.10

Aero Tour TANDEM Crankset, with your choice of Sugino BB Threads, **Specify: English, French or Italian;** and GT Chainrings (3), **Specify Teeth.**

SU-K-ATT-X $168.30

In this Catalog we also supply our own illustrated and detailed installation instructions that take the guesswork and grief out of proper crankset assembly. PAGE 21

AUTEX



One-Key Release

For Allen key removal of crank arms. Comes with special tool to fit your 6mm Allen key (not included). Fits Sugino, SR and Campy.

SU-AU $5.95 pr.

B.B. ASSEMBLIES



Sugino GS Bottom Bracket Assemblies, include: NI-CR steel 68mm (Eng., French) or 70mm (Italian) Axle, chrome steel Bearings w/Retainers, NI-CR steel Fixed Cup, Adjustable Cup & Lock Ring (English, French or Italian), Crank Bolts and Washers, Plastic Protective Sleeve. **Specify: Eng. or Fr. (68mm) or Ital. (70mm). Specify: Single, Double, Triple**

SU-MDX-X $14.50

Sugino GT Bottom Bracket Assemblies, include: chrome steel 68mm (English or French) or 70mm (Italian) Axle, chrome steel Bearings w/Retainers, chrome steel Fixed Cup, Adjustable Cup and Lock Ring (English, French or Italian), 2 Fixing Nuts with Integral Washers, Plastic Protective Sleeve. **Specify: English or French (68mm) or Italian (70mm).**

SU-MBB-X Complete BB Assembly, $9.75

SUGINO SMALL PARTS

CRANK ARMS

SU-GTAR-X GT Right, 170 or 175mm, $18.50
SU-GTAL-X GT Left, 170 or 175mm, $14.50
(NOTE: 175mm goes down to 24T)

SU-ATAR-X Aero Tour Right, 170 or 175mm $36.30

SU-ATAL-X Aero Tour Left, 170 or 175mm $18.30

SU-AMAR-X Aero Mighty Right, 165,170 or 175mm, $36.30

SU-AMAL-X Aero Mighty Left, 165,170 or 175mm, $18.30

BEARINGS:
SU-B NI-CR steel, with Retainers, $1.40 pr.

CRANK ARM BOLTS & WASHERS:
SU-15 Mighty/Maxy,15mm,2 Bolts/Washer, 88¢
SU-14 Old Maxy, 14mm, 2 Nuts/Washers, 88¢

DUST CAPS:
SU-AC Mighty, alloy, Silver, $1.40 pr.
SU-DC Maxy, Plastic, 90¢ pr.

CHAINRING BOLTS, NUTS & WASHERS:
SU-DB Double Set, $4.13
SU-TB Triple Set, $5.50



SU-PPS Plastic Protective Sleeve, fits all, 85¢



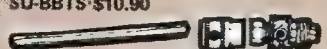
SU-PS Bolt Peg Spanner, 75¢
FE-5 Bolt Allen Key, 5mm, 50¢

SUGINO TOOLS



Sugino BB Tool Set, also fits Campy and DuraAce. Tools for Fixed Cup, Adjustable Cup and Lock Ring. Allen Wrench and 2 extra pins.

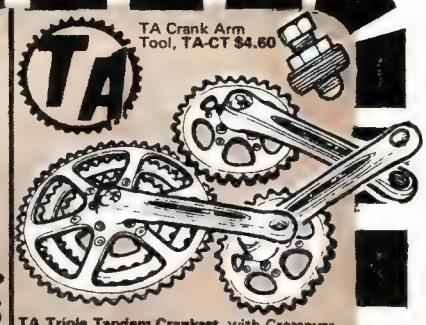
SU-BBTS $10.90



Mighty/Maxy Crank Extractor, also fits Campy and DuraAce. **SU-MCE $4.60**



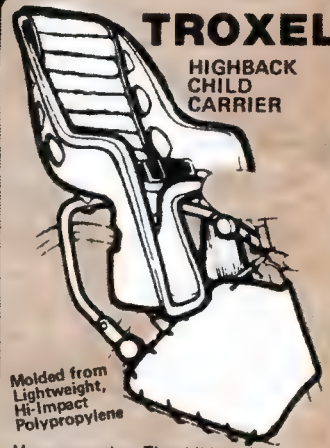
Old Maxy Crank Extractor, fits I & II **SU-MXCE $4.40**



TA Crank Arm Tool, TA-CT $4.60

TA Triple Tandem Crankset, with Crossover Drive. Contains: 1 Tandem Arm Set, **Specify: 165 or 170mm;** 1 Tandem Bottom Bracket Set, **Specify: English, French or Italian;** your choice of 3 Chainrings (2 Inner/1 Outer), **Specify:** Inner (2) 26 to 49T. Outer (1) 40 to 54T. SPECIAL ORDER
35T Crossover, no choice.
TA-K-TTC-X Tandem Triple, $178.15

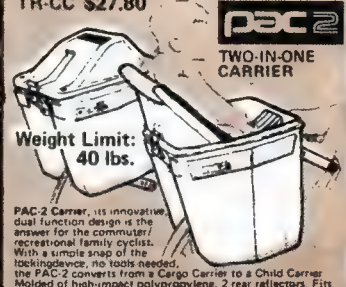
TROXEL HIGHBACK CHILD CARRIER



More protection. The child sits in-not on the contoured bucket seat, with a high back and conformed foot and leg area. A large spoke guard, extra strong seat belt & rear reflector are added safeguards. The plated tubular steel frame centers the weight over the rear axle for better balance. Attaches easily to any 26 or 27" bike and holds a child up to 40lbs. Vented back and fitted pad make a softer, cooler ride. Easy on/easy off with quick-release knobs. Attaches to stays. Drop eyelets are not required. **Color: Beige**

TR-CC $27.80

pac2 TWO-IN-ONE CARRIER



PAC-2 Carrier, its innovative dual function design is the answer for the commuter/recreational family cyclist. With a simple snap of the locking device, no tools needed, the PAC-2 converts from a Cargo Carrier to a Child Carrier. Molded of high-impact polypropylene. 2 rear reflectors. Fits most 26 and 27" bikes. **As a CARGO CARRIER:** PAC-2 protects its contents from the weather & can be locked for security when bike is parked. Remove the lid and larger packages can be carried. **As a CHILD CARRIER:** the PAC-2 provides "Hi-back" support and complete lower body protection. Includes a leather grained, cushioned pad Velcro attached, and a heavy woven seat belt for added safety. Even when the child outgrows it, the PAC 2 never outgrows its usefulness. **TR-PAC2 $42.80**

Watch for QUANTITY DISCOUNTS throughout this catalog. Great for CLUB AND TEAM PURCHASES.

"I would like to compliment you on your prompt service," R.J., Charlotte NC

threads

Most imported bikes use English threads. The following are the exception (usually):

Threads	Country
Italian	Italy Mexico
French	Some-Belgium France Spain Switzerl.

Most new models are now coming with English →

Bottom Bracket

English	1.370"x24TPI
Italian	38MMx24TPI
French	35MMx1.0MM

68MM Wide/Italian 70MM

Gear Hangers

Most gear hangers are French threaded. 10MM x 1MM

Headsets

English	1"x24TPI *
Italian	25.4MMx24TPI *
French	25MMx1MM

Hubs

English	1.370"x24TPI *
Italian	35MMx24TPI *
French	34.7MMx1MM

We just stock English

Pedals

English	9/16"x20TPI *
Italian	Same *
French	14MMx1.25MM

* Interchangeable

bearings

Bearing Sizes

Bearing	Use
1/8"	Freewheels
5/32"	Pedals, Headsets
3/16"	Campy Road Headset Front Hubs
7/32"	Campy Fr. Hubs
1/4"	Rear Hubs B. B.

brakes

Brake Clearances

Measured from the heigth of the center of the mount hole straight down to the center of brake pad.



Brakes	Min.	Max.	Center
Campy Short Reach	43mm	51mm	47mm
Campy Normal	48	56	52
Campy w/Dropbolt	54	62	58
Dura-Ace ParaPul	49	57	53
Shimano 600	43	57	53
Gran Compe Sidepull*	45	55	50
Gran Compe 450 CP	45	57	51
Dia Compe 500G*	42	55	48
Dia Compe 730G*	53	70	62
Modolo Short	40	52	
Modolo Normal	46	58	

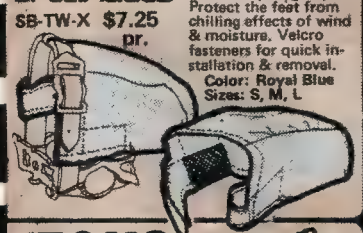
*With Drop Bolt - Add 6mm

NEW

SPECIALIZED

SB-TW-X $7.25 pr.

Toe Warmers, for cold weather cycling. Nylon. Protect the feet from chilling effects of wind & moisture. Velcro fasteners for quick installation & removal. **Color: Royal Blue Sizes: S, M, L**



zeus



Zeus 2000 Pedals, Titanox. 340G. 9/16" English. Specify: Black or Silver

ZU-24001-X $103.90

SPECIAL ORDER

bike nashbar



Bike Nashbar Toe Straps, made of genuine leather. Quick-release buckle has Binda-style release with ferruled roller. Bike Nashbar logo is embossed in gold letters on each strap. 40.7G. **Colors: White, Black, Blue, Red**



BEST BUY

BN-TS-X $1.70 PAIR

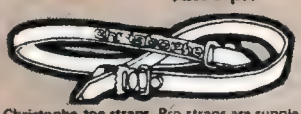
christophe

toe clips



Toe Clips, top quality spring steel. 63.4G. per pair. **Sizes: S/4-8 M/8½-10 L/10½-12½**

CH-TC-X $2.90 pr.



Christophe toe straps. Pro straps are supple leather with Christophe stamped in fine outlined silver letters. Quick-release buckle has Binda-style release with ferruled roller. 48.1G. **Specify: White, Red, Blue or Black**

CH-TS-X $3.25 pr.

Laminated Straps, leather straps with nylon reinforcing. CyclePro logo. **Colors: White, Black**

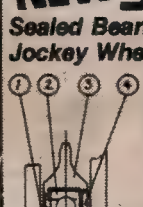
CP-LS-X $7.50 pr.

$11.00 Value



NEW SUNTOUR

Sealed Bearing Jockey Wheel





1. Aluminum Bushing
2. Sealed Bearing
3. Resin Pulley
4. Bearing Retainer

ST-SBP $9.25 pr.

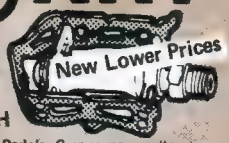
Works with Campy & Shimano, too.

Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.

SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangable with standard SunTour jockey wheels.

KKT

PRO ACE ENGLISH



New Lower Prices

Pro Ace Road Pedals, Campy copy, alloy body. Chromemoly shaft. Clip and strap attachable. 353G. **Silver, KK-PAS $25.50 pr. Black, KK-PAK $25.90 pr.**

Pro Ace Pedal Wrench, KK-PAW $1.65

NEW PRO VIC II



Pro-Vic II Pedals, new model features Campy copy plate. Large "rivet" attachment. Forged aluminum body, tempered steel axle. Servicable bearings. SILVER. English or Fr.

KK-PV-X $10.95 pr.

TOE CLIPS



Deluxe spring steel. Sewn leatherette. 81.5G. Specify: S(4-5½), M(6-8½), L(9-10½), XL(11-13).

KK-TC-X $5.95 pr.



Cat-Eye Pedal Reflectors Set of 4/CE-PR 75¢

ESQUARTZ

PEDAL & TOE CLIP



One piece light alloy frame. Carbon steel spindle.

Weight: 390G. (with toe clip)

Sizes: Medium, Large (9 up)

ST-ESQ-X $18.95 pr.

Replacement Toe Clips, Sizes: M or L

ST-ETC-X $6.75 pr.

SUPERBE



Superbe Pro Pedals, hollow chromemoly spindles, sealed roller bearings. forged aluminum "H" design bodies. Black cage. 300G. pair.

ST-SPP $52.65 pr.

SAKAE



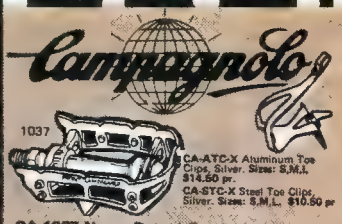
Silstar 100AL Pedal, quill-type. Melt-forged light alloy body. Alloy plates. Screw dust cap. Width: 61mm Weight: 345G. 9/16" Eng. or Fr.

SR-100AL-X $12.80 pr.

SR-100BL Pedal, Black, Eng., $13.80 pr.

SR-200BL Track, Black, English, $13.80 pr.

Campagnolo



1037

CA-ATC-X Aluminum Toe Clips, Silver. Size: S,M,L $14.50 pr.

CA-STC-X Steel Toe Clips, Silver. Sizes: S,M,L. $10.50 pr.

CA-1037 Nuovo Record Road, chrome, 415.7G., $59.97

CA-1037/A Nuovo Record Road SL, black, 332.8G., $64.50

CA-1038/A Nuovo Record SL Track, black, 322.4G., $80.95

CA-4021 Super Record Road, titanium axles, 269.8G., $158.40

ALFREDO BINDA

toe straps



Super quality, soft leather. Quick-release buckles. Specify: Black, White, Blue, Red.

CA-AB-X $7.45 pr.

BINDA extra

The best strap available. Two leather straps are bonded with nylon permitting almost no stretch. Off-White.

CA-BE $11.75 pr.

BEARINGS

Ball Bearings, chrome steel bearings, High-Grade. Come 100 to a bag. Specify Use or Size - 1/8", 5/32", 3/16", 1/4"

RT-X 1/8, 93¢
3/16, 93¢
5/32, $1.05
1/4, $1.25

actual sizes



Bearing	Use
1/8"	Freewheels
5/32"	Pedals, Headsets
3/16"	Campy Road Headset, Front Hubs
1/4"	Rear Hubs, B.B.

bullseye pulleys



With Precision Sealed Ball Bearings

A 78-foot hillclimb is saved every 100 miles, on the average, by replacing sleeve-bearing types with **BULLSEYE PULLEYS** . . . enough work to raise a 100-pound weight 122 feet. On the level, you'll be about 1685 feet ahead . . . almost 1/3-mile.

A comparison between hubs and pulleys puts the difference into perspective: a set of hubs will use about 2,950 foot-pounds of energy carrying 200 pounds total, every 100 miles. A pair of Bullseye Pulleys will use about 2,250; a pair of sleeve-bearing pulleys will use 14,400!

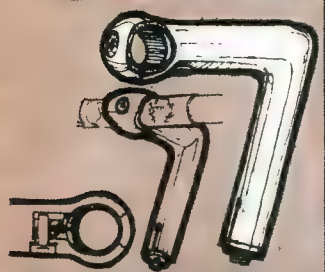
Less internal clearance and thicker flanges precisely position chain. Seals practically end maintenance, but are removable for inspection. Easy installation on any derailleur; no cones to adjust.

DU-BP $15.70 pr.

we try to ship same day

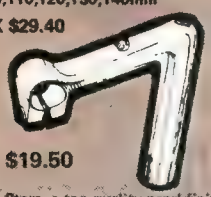
"I rarely find such courteous and helpful people," N.W., Fort Smith, MT

cinelli



Model 1/Record Stem, the latest from Cinelli has hidden binder with Allen bolt under extension. Very short supply. Pearl satin finish alloy. Allov expanding bolt/plug. Diameter: 22.2mm. **Specify Extension: 100,110,120,130,140mm**

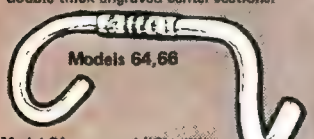
CI-1R-X $29.40



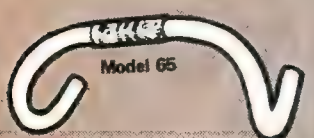
CI-1A-X $19.50

Model 1/A Stem, a top quality pearl finish alloy stem. Flush Allen binding bolts.6mm Diameter: 22.2mm. **Specify Extension (sometimes supplied ½ size larger: 70,80, 90,100,110,120,130,140mm**

Satin Anodized Alloy Handlebars, with double-thick engraved center sections.



Model 64, engraved "Cinelli" **Widths: 38 or 40cm**
CI-64-X $14.90 (Least Drop)
Model 66, engraved "Cinelli" **Widths: 38, 40 or 42cm**
CI-66-X $14.90 (Most Drop)



Model 65, track style is engraved "Cinelli" Narrow center section and immediate forward reach. **Specify Width: 38 or 40cm.**

CI-65-X $14.90

Cinelli Cap, 100% cotton. White w/ mult-color logo & world Champion stripes. **CI-CAP $2.95**



zeus



Criterium Seatpost, Super Earlumin II, 280G. **Diameters: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4**

ZU-25100-X $37.10

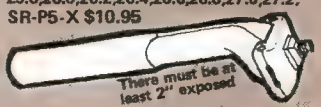
SPECIAL ORDER

SR SAKAE



Custom P5 "Laprade" Seatpost, melt-forged high-strength light alloy pillar, bracket & supporter. Adjustment by a single bolt from below. Pillar Length: 220mm. 270G. **Diameters: 25.0, 25.4, 25.8,26.0,26.2,26.4,26.6,26.8,27.0,27.2,**

SR-P5-X $10.95



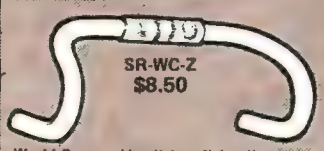
Custom P5A Aero Seatpost, melt-forged high-strength light alloy pillar, bracket and supporter. Adjustment and fixing by a single bolt from below. Aerodynamic style. **Length: 190mm/250G. Diameters: 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2**

SR-P5A-X $9.95



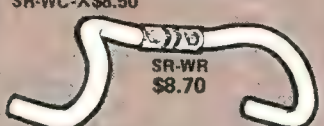
ASP Seat Pillar, melt-forged high-strength rustless light alloy. Length: 230mm. **Diameters: 25.8,26.0,26.2,26.4,26.6,26.8, 27.0,27.2**

SR-ASP-X $6.95



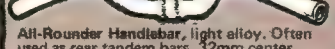
World Custom Handlebar, light alloy, anodized finish. Double tube center section. Diameter: 23.8mm, Reach: 96mm **Specify Width: 370mm/145mm drop/Weight: 305G. 390mm/145mm drop/Weight: 305G. 420mm/160mm drop/Weight: 310G.**

SR-WC-X $8.50



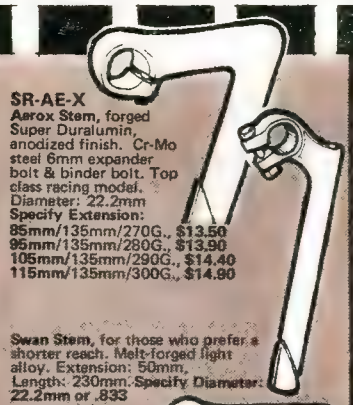
World Randonneur Handlebar, light alloy. satin finish. Double tube center section. Engraved. Diameter: 23.8mm, Drop: 120mm, Width: 420mm,Reach: 97mm, Weight: 305G.

SR-WR $8.70



All-Rounder Handlebar, light alloy. Often used as rear tandem bars. 32mm center. Diameter: 22,2mm, Raised: 45mm, Width: 505mm, Weight: 180G.

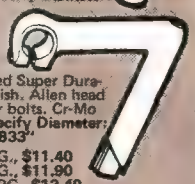
SR-AR $7.50



SR-AE-X
Aerox Stem, forged Super Duralumin, anodized finish. Cr-Mo steel 6mm expander bolt & binder bolt. Top class racing model. Diameter: 22.2mm **Specify Extension:**
85mm/135mm/270G., $13.50
95mm/135mm/280G., $13.90
105mm/135mm/290G., $14.40
115mm/135mm/300G., $14.90

Swan Stem, for those who prefer a shorter reach. Melt-forged light alloy. Extension: 50mm, Length: 230mm. **Specify Diameter: 22.2mm or .833**

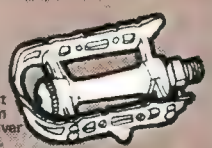
SR-SS-X $9.50



SR-RY-X
Royal II Stem, forged Super Duralumin. Anodized finish. Allen head expander and binder bolts. Cr-Mo steel 6mm bolts. **Specify Diameter: 22.0mm,22.2mm,0.833"**
70mm/135mm/250G., $11.40
90mm/135mm/270G., $11.90
110mm/135mm/290G., $12.40
130mm/135mm/310G., $12.90

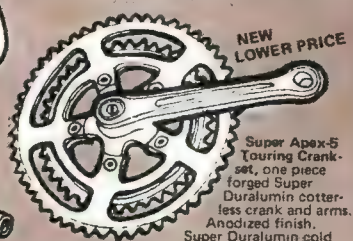


SR-AX-X
Apex Stem, forged Super Duralumin. Anodized finish. Diameter: 22.2mm (Some sizes also available in 0.833"-**Please Specify).** **Specify Extension:**
60mm/180mm/330G., $9.50
80mm/150mm/220G., $9.90
100mm/150mm/340G., $10.40



Silstar 100AL Pedal, quill-type. Melt-forged light alloy body. Alloy plates. Screw dust cap. Width: 61mm Weight: 345G. Silver 9/16" Eng. or Fr.

SR-100AL-X $12.80 pr.
SR-100BL Pedal, Black, Eng., $13.80 pr.
SR-200BL Track, Black, English, $13.80 pr.



Super Apex-5 Touring Crankset, one piece forged Super Duralumin cotterless crank and arms. Anodized finish. Super Duralumin cold rolled chainrings. 170mm arms. 68mm BB. Approx. 600G. **Specify: Eng., Fr. or Italian Specify: 28x38T, 32x52T, 42x52T, 36x50T,**

SR-A5-X $44.70

Super Apex 5 Triple Touring Crankset, 68mm BB. 170mm crank arms. 34 x 42 x 52T. **Specify: English, French or Italian.**

SR-A5T-X $48.30

Super Apex 5 Chainrings, Super Duralumin. **Specify: 28,30,32,34,36,38,39,40,42,44,46,48, 50,52,54T SR-A5C-X $8.90 each**

Crank Arms, includes bolts, dust cover.
SR-RA Right Arm, $28.50
SR-LA Left Arm, $24.50



Cotterless Crank Fixer & Extractor, 99G.
SR-CE $6.25



Super Apex Bottom Bracket Set, DOUBLE, Chrome-moly steel. 119.0mm length. **Specify: English/68mm, French/68mm, Italian/70mm**

SR-ABD-X $9.20

Super Apex Bottom Bracket Set, TRIPLE, 121.5mm length. **Specify: English/68mm, French/68mm, Italian/70mm**

SR-ABT-X $9.70

Campagnolo



CA-1044-X Nuovo Record Seatpost, Length: 180mm. **Specify Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm**

CA-1044-X $33.89



CA-4051-X Super Record Seatpost, fluted, wide cradle, 204G. **Specify Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm**

CA-4051-X $49.95

seatpost length

(Allow 2" inside seat tube)



Model	Inches	MM
Sakae		
Laprade P5	8½	220
Campy		
Nuovo Record	8¼	210
Super Record	8¼	210

Seat Post Diameters (Sizes vary from bike to bike)

English	
Butted	27, 27.2
Straight	26.2, 26.8
Italian	
Butted	26.8, 27, 27.2
Straight	25, 26.2
French	
Butted	26.6, 26.8
Straight	26.2, 26.4

All Columbus Tubing Frames take a 27.2 Seatpost.

Seat Post size to use-by seat tube opening

MM	Decimal	Fraction	MM	Decimal	Fraction
25.0	.9843	63/64	26.8	1.0551	
25.8	1.0157	1-1/64			1-1/16
26.0	1.0236		27.0	1.0629	
		1-1/32	27.2	1.0708	
26.2	1.0315				1-5/64
26.4	1.0394		27.4	1.0787	
		1-3/64			
26.6	1.0472		A cut piece from your existing post would help.		

sizing info

Stem Extension: To determine the proper extension you must first locate your correct saddle position.

Saddle Height. Sitting on the saddle with one foot in a toe clip at the bottom of its stroke - your knee should be just slightly bent.

Saddle Position: (Forward to rearward) Again sitting on the saddle with one foot in the toe clip - this time with one pedal in the forward 9:00 position. A line perpendicular to the road should run through the pedal axel and the joint in your knee. Move your saddle forward or back till this is so.

Stem Size: Now place the back of your elbow against the front of your seat. With your arm and hand extended your fingertips should just fall behind your bar

Inch to MM Sizes from stem bolt center to Bar center are as follows:



INCHES center to center	MM (cm-remove .0)
2 3/8	60
2 3/4	70
3 1/8	80
3 1/2	90
4	100
4 3/8	120
4 3/4	120
5 1/8	130
5 1/2	140

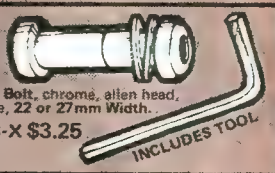
PIVO



Tandem Rear Handlebar Stem, w/ hex nut binder bolt. **SB-PV $9.50**

Fits front seatpost

KK-SPB Allen Bolts,27mm, $3.25 each (extra)



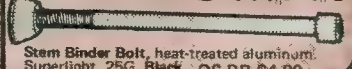
Seat Post Bolt, chrome, allen head, 8mm hole, 22 or 27mm Width.

KK-SPB-X $3.25

Seatpost Bolt, heat-treated aluminum. 5mm hex size. 8mm diameter. 2.5G. **Black.**

OS-SP $3.90

OMAS



Stem Binder Bolt, heat-treated aluminum. Superlight, 25G. **Black. OS-BB $4.80**

"The prices are out of this world," D.J., Okinawa, Japan.

AVOCET ITALY

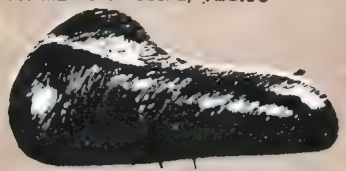


Mens Model I Saddle, features a softer nylon shell and a thicker, softer (less-dense) polyurethane padding. This is an ideal design for the beginner & intermediate cyclists. **Smooth Black.**

AV-M1 Mens Model 1, **$19.80**

Mens Model II Saddle, designed for the more experienced racer or tourist who desires a firmer nylon shell and pad for optimum efficiency during extended riding. **Smooth Black.**

AV-M2 Mens Model 2, **$23.90**



Avocet has taken into account the differences in width and construction between the mens pelvic structure and the womens, by designing Model I & Model II Saddles specifically for women. They feature a broader nylon shell and a repositioning of the saddles' molded anatomic pads. **Both models are Smooth Black.**

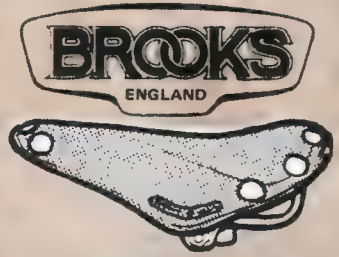
AV-W1 Womens Model 1, **$19.80**
AV-W2 Womens Model 2, **$26.80**



Model III Racing Saddle, because racing cyclists distribute their bodyweight more evenly over the entire bicycle, this minimizes the pressure put on the saddle form and pelvic structure. This permits a significant reduction in supportive shell area and coordinative, molded anatomic padding (the padded bumps are missing from the racing saddles). Lightweight aluminum alloy seat rail.

AV-R3 Racing Model 3, **$36.80**

BROOKS ENGLAND



Brooks Team Pro Saddle, a classic English saddle. Extra-tough leather. Extra-large copper rivets. Chrome steel cage. 540G. Black. **BR-TP $36.88**



Model B72, wider for extra comfort. Coil springs. Not for use with Campy type posts. **BR-72 $28.80**

Includes Clamp for straight posts

Brooks Proofide Leather Dressing, for use on smooth leather (not for suede or cowhide). Conditions, preserves, waterproofs, restores. 2 oz.can **BR-P $2.90**



Cyclepro TOURING SADDLE



NEW Touring Saddle, an orthopedically-designed saddle especially for touring. A touring cyclist generally rides in a more upright position than does a racer, so there is more pressure applied to the pelvic region by the body weight on the saddle. To remedy this, the Touring Saddle has a nylon shell designed to better fit the pelvic area, then, extra padding has been added to the specific pressure points. The Woman's Model is slightly wider than the Men's Model. Both models are available in either **Black Smooth Leather** or **Black Suede Leather.** **Made in Italy.**

Men's Black Smooth - CP-TSM $17.50
Women's Black Smooth - CP-TSW $17.50
Men's Black Suede - BW- CP-TSS $17.50

NEW cinelli



Buffalo Hide Saddles, hand finished. RILSAN seat structure for resistance against stain, unalterable & undeformable in weather changes. Anatomically shaped padding in closed cell foam rubber. Imprinted entirely with the Cinelli "C" **Specify Color: Off-White or Black.** CI-S-X $31.90

Sheepskin Saddle Cover, extra-thick super comfortable genuine fleece. Protects against sticking and chafing. Elastic edging for a snug fit.

2 Sizes: Pro-type or Wide/Ladies

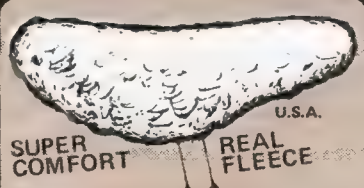


CD-SC Pro-type, **$9.50**
CD-LSC,Ladies/Wide, **$9.50**



Seat Cover, Urethane-coated nylon with elastic closure. Protect your saddle from the elements & keep your rear end dry. Universal sizing. **Yellow.**

BW-SC $2.50, 10/$21.90



Sheepskin Seat Cover, over 1" thick fur fleece. Allows air circulation and helps prevent chaffing and sticking. Finished elastic edge keeps cover in place.
Color: Natural
2 Sizes: SC fits Pro-type saddles
LSC fits Wide & Ladies saddles
SL-SC Pro-type, **$9.50**
SL-LSC Ladies/Wide, **$9.50**

concor ITALY



Concor Saddle, a revolutionary design in a saddle that is coming into prominence on the European racing scene. Lightweight and minimal bulk. A very comfortable & efficient saddle. Molded nylon shell with real leather cover. Magnesium alloy rails.

CC-SM Black Smooth, **$22.50**
CC-SS Black Suede, **$22.50**

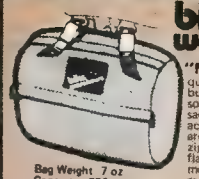
energy tips

A person exercising hard burns 300 to 600 calories per hour, or 2.8 calories per pound of body weight. To avoid fatigue, it is best that this energy be stored in the body by conditioning for several months, or replenished from eating while riding, or both

Natural carbohydrates, such as fruits, nuts, grains, and sugar, are most quickly converted into energy. Meats, dairy products and vegetables are essential for a balanced diet, but are harder to digest. These foods should not be eaten immediately before or during competition because digestion uses up energy needed for muscular activity

When traveling two hours or more, we suggest that the average cyclist eat and drink each hour with "lunch" in the middle of the ride. If you wait until famished or dehydrated, you will be too fatigued to replenish your energy needs. We suggest you carry plain water and powered gatorade. Mix gatorade by the waterbottle full as desired.

bike warehouse



"Nannie" Seat Bag, quick release adjustable buckle fasteners swival so bag can be used on saddles with or without accessory clips. Wrap-around double pull zipper. Zipper rain flap. Nylon reinforcement strap. Instructions are included for mounting.

Bag Weight 7 oz
Capacity: 300 cu.in.
Colors: Orange, Blue, Silver

BW-N-X $5.90

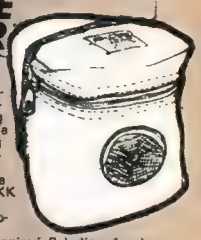


Deluxe Seat Bag, water-resistant 420-D Nylon. Double-zipper compartment. Reinforced webbing.
Capacity: 270 cu.in.
Colors:
Blue w/Black trim
Red w/Black trim
Black w/Black trim

CP-SB-X **$7.70**

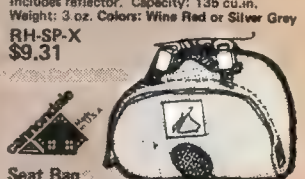
Cycle pro.

RHODE GEAR



Saddle Pack, a sleek wedge-shaped pack designed for efficient positioning under the saddle while providing ample leg clearance. Urethane coated Rhodura nylon. Wide YKK zipper. 3-point fastening for no-sway stability. No seat clips required. Poly liner for shape. Includes reflector. Capacity: 135 cu.in. Weight: 3 oz. **Colors: Wine Red or Silver Grey**

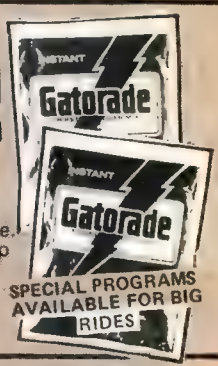
RH-SP-X **$9.31**



Seat Bag
This larger capacity seat pack has swival straps to mount on seats with or without eyelets. Double zipper opens across top and down sides. 8oz. Cordura. 6lb. limit. Capacity: 300 cu.in., Weight: 7 oz. **Blue, Red, Silver or Black**

CD-BO31-X **$12.90**

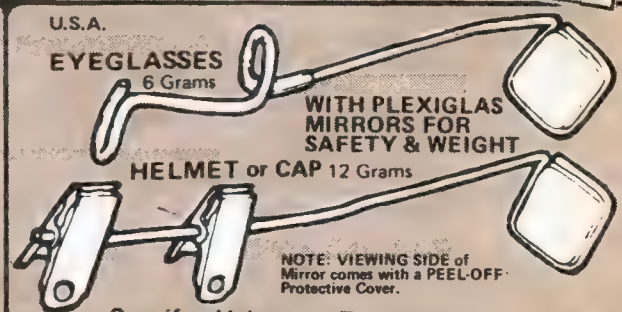
Gatorade THIRST QUENCHER



Powdered. 5% glucose mixture containing sodium, potassium chloride, and phosphate. 8 oz. per package makes 1 gallon. Use 3 tsp per 8 oz. cup/3 tbp. per waterbottle.

GA-O Orange or GA-L Lemon-Lime
1 Pack/$1.25, 5/$5.00, 10/$9.50

SPECIAL PROGRAMS AVAILABLE FOR BIG RIDES



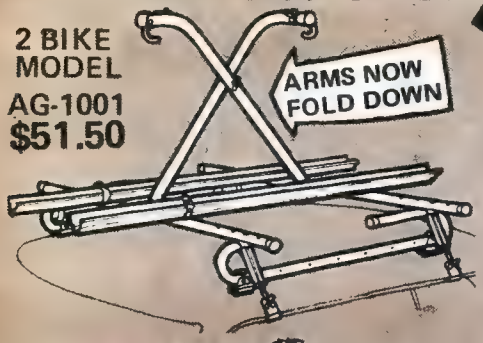
Specify: Helmet or Eyeglasses.
BN-HM for Helmets, 1/$3.75, 10/$32.50
BN-EM for Eyeeglasses, 1/$3.75, 10/$32.50

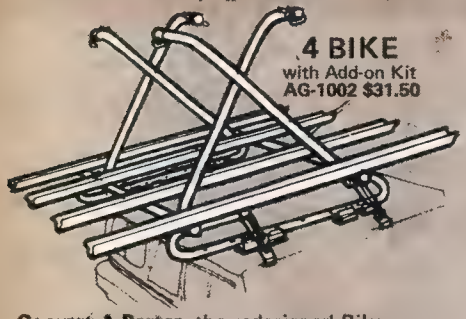
"You will get all of my business," R.J., Charlotte, NC.

we try to ship same day

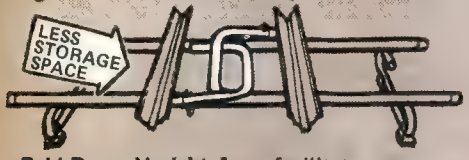
Convert-A-Porter

2 BIKE MODEL
AG-1001
$51.50



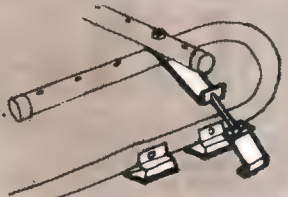


Convert-A-Porter, the redesigned Bike Porter is today's finest and most versitile carrier. Easy loading and unloading. Vinyl-coated quick Clamps secure bike to uprights and are removable to prevent theft.



Fold-Down Upright Arms facilitate carrying luggage, etc., and for entering garages.

New Mounting System installs on roofs or rear trunks. No-stretch all-steel tie-downs hold carrier secure. The New Leg Support System gives a choice of width-spacing in order to place the large rubber padded legs over the stronger support section of the car. The legs can also be length-adjusted to fit shorter trunks. (4 Bike Model has 4 extra Padded Legs).





Bikes ride cushioned by their own tires in the New Wheel Channels with their slip-down design to grip both narrow and wide tires. The channels also have adjustable Slide Wheel Securing Straps permanently mounted to the tracks to accomodate any size wheelbase.

AG-1001 Two-Bike Model, 22 lbs., $51.50
AG-1002 Four-Bike Add-on Kit, 10 lb., $31.50
AG-ET Extra Track Sections, $12.95 ea.
AG-GM Gutter-Mount Option, no rubber pads, only for cars with gutters, $13.50

ALL PARTS AVAILABLE

BIKE-PORTER

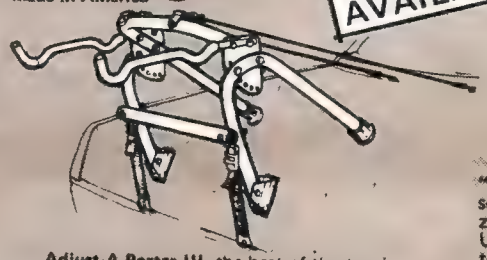


Meets National Highway Traffic Safety Admin. Standards

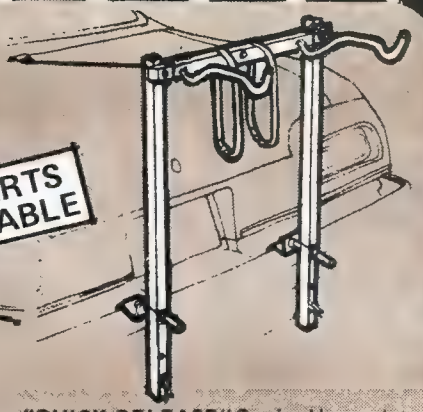
AMERICA'S BEST "NO-SCRATCH" "EASY-LOAD" RACKS

ALL PARTS AVAILABLE

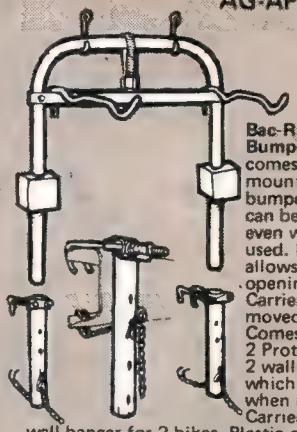
Made in America



Adjust-A-Porter III, the best of the trunk-mounted carriers is now improved. The solid steel vinyl-coated arms are formed to protect & nest each bike in one confined spot. Exclusive adjusting plate allows quick leveling of support arms. Arms can be adjusted to a level position on any type car trunk. Newly designed "Big-Foot" adjustable rubber feet spread the carrier load over 20 times more car surface to resist surface denting. Components are pre-assemble for easy installation. AG-AP3 $24.90



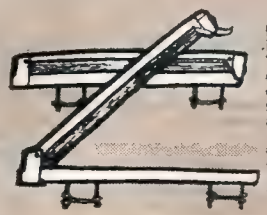
"QUICK-RELEASE" Carrier-Heavy-duty square tubular steel, double protective zinc-chromate & clear lacquer finish. Universal bumper fittings attach easily to most cars. Pre-assembled crossbar/hanger arm system means time-saving 2 bolt assembly. "Instant Release" base frame lifts off for easy storage. Posts remain in position for quick remounting. Includes tie-down and stabilizer straps. AG-1074 $14.90



Bac-Rac-Plus III Bumper Carrier, comes with flush-mounted universal bumper brackets which can be left on the car even when not being used. Flush design allows clearance for opening trunk lid. Carrier is quickly removed from brackets. Comes complete with 2 Protect-O-Pads and 2 wall storage hooks on which to hang carrier when not in use. Carrier can double as a wall hanger for 2 bikes. Plastic-coated arms fold away when bikes are not loaded. Made of 1 1/8" plated tubular steel. Comes pre-assembled. AG-BR3 $21.90



Protect-o-Pads, made of a square protective pad of thick,resilient,spongy urethane. A built-in "snap-on-slot" locks onto handlebars, frames, pedals, etc. to keep it from contacting other surfaces. Can also be used on car roof as carrier pads for hauling ladder,poles etc. Eliminates need for blanket padding. Comes 4 to a package. AG-PP $3.50 set



NEW Ski Rack Kit, is easily added to the "Convert-a-Porter carrier and is capable of carrying 2 pairs of skis. 2 Ski Kits can be added to the 4-Bike model for a carrying capacity of 4 pairs of skis. 5 lbs.

AG-2001 Ski Rack Kit, $32.50 pr.

gearing for efficiency

Gear Chart - 27" Wheels

Rear Sprocket Teeth	Number of chainwheel teeth (Front)																		
	30	32	34	36	38	40	42	44	45	46	47	48	49	50	52	53	54	55	56
13	62.3	66.4	70.6	74.7	78.9	83.1	87.2	91.4	93.4	95.5	97.6	99.7	101.8	103.9	108.0	110.0	112.1	114.2	116.3
14	57.8	61.7	65.5	69.5	73.3	77.1	81.0	84.9	86.7	88.7	90.6	92.6	94.5	96.4	100.3	102.2	104.1	106.0	108.0
15	54.0	57.6	61.1	64.8	68.4	72.0	75.6	79.2	81.0	82.8	84.6	86.4	88.2	90.0	93.6	95.4	97.2	99.0	100.8
16	50.6	54.0	57.2	60.9	64.1	67.5	70.9	74.3	76.0	77.6	79.3	81.0	82.7	84.4	87.8	89.4	91.1	92.8	94.5
17	47.6	50.8	54.0	57.2	60.3	63.5	66.7	69.9	71.5	73.1	74.6	76.2	77.8	79.4	82.6	84.1	85.7	87.3	88.9
18	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	67.5	69.0	70.5	72.0	73.5	75.0	78.0	79.5	81.0	82.5	84.0
19	42.6	45.5	48.2	51.1	54.0	56.8	59.7	62.5	64.0	65.4	66.8	68.2	69.6	71.1	73.9	75.3	76.7	78.1	79.5
20	40.5	43.2	45.9	48.7	51.3	54.0	56.7	59.4	60.8	62.1	63.4	64.8	66.2	67.5	70.2	71.5	72.9	74.5	75.6
21	38.6	41.1	43.7	46.4	48.9	51.4	54.0	56.6	57.9	59.1	60.4	61.7	63.0	64.3	66.9	68.1	69.4	70.7	72.0
22	36.8	39.2	41.6	44.2	46.6	49.1	51.5	54.0	55.2	56.5	57.6	58.9	60.1	61.4	63.8	65.0	66.2	67.5	68.7
23	35.2	37.5	39.9	42.4	44.6	47.0	49.3	51.6	52.8	54.0	55.2	56.3	57.5	58.7	61.0	62.2	63.6	64.5	65.7
24	33.7	36.0	38.2	40.5	42.8	45.0	47.3	49.5	50.7	51.8	52.9	54.0	55.1	56.3	58.6	59.6	60.7	61.8	63.0
25	32.4	34.6	36.7	38.9	41.0	43.2	45.4	47.5	48.6	49.7	50.8	51.8	52.9	54.0	56.2	57.2	58.3	59.4	60.4
26	31.2	33.2	35.3	37.4	39.5	41.5	43.6	45.7	46.7	47.8	48.8	49.9	50.9	51.9	54.0	55.0	56.0	57.1	58.1
27	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	52.0	53.0	54.0	55.0	56.0
28	28.9	30.8	32.8	34.8	36.6	38.6	40.5	42.4	43.4	44.4	45.3	46.3	47.2	48.2	50.1	51.1	52.0	53.0	54.0
29	28.0	29.8	31.6	33.5	35.4	37.2	39.0	41.0	41.9	42.0	43.8	44.7	45.6	46.5	48.4	49.4	50.3	51.2	52.1
30	27.0	28.8	30.6	32.4	34.2	36.0	37.8	39.6	40.5	41.4	42.3	43.2	44.1	45.0	46.8	47.7	48.6	49.5	50.4
31	26.2	27.9	29.6	31.4	33.1	34.8	36.6	38.3	39.2	40.1	41.0	41.8	42.6	43.5	45.2	46.2	47.0	47.9	48.8
32	25.3	27.0	28.7	30.4	32.1	33.7	35.4	37.2	38.0	38.8	39.7	40.5	41.4	42.2	43.9	44.7	45.5	46.4	47.3
33	24.6	26.2	27.8	29.5	31.1	32.7	34.4	36.0	36.8	37.6	38.5	39.3	40.1	40.9	42.6	43.4	44.2	45.0	45.9
34	23.8	25.4	27.0	28.6	30.2	31.8	33.3	35.0	35.7	36.5	37.4	38.1	38.9	39.7	41.3	42.1	42.9	43.6	44.5

For optimum performance you should obtain a range of final drive ratios with as **little overlap as possible.** In other words, if you have a ten speed bike, you should have **10 different** gear ratios available. All too often, bikers choose freewheel assemblies at random, without researching to find out what effects this assembly will provide. With the aid of the Gearing Chart, you will be able to intelligently match the proper sequence of sprocket teeth to chainwheels. Why waste shifting time on the next gear, just to find out that there's no appreciable difference in peddling effort? Remember, individual preference plays an important part in choosing gear sizes. Racers generally like a close range of gears, while tourers prefer a wide range. Look at the chart - say you have a 42/52 tooth chainwheel setup. Find these two numbers at the top of the chart. Now suppose you already have a 14, 17, 21, 26, 32 freewheel assembly. Find these sizes in the extreme left vertical column. Simply cross-reference the chainwheel sizes and the sprocket sizes. If any ratios under the 42-tooth chainwheel column match or come very close to those under the 52-tooth chain wheel column, then you are definitely wasting available gears.

Let's use the combination we just mentioned as an example. Under the 42-tooth column, we find gear ratios of 81.0, 66.7, 54.0, 43.6, and **35.4.** Under the 52-tooth column, we have 100.3, 82.6, **66.9,** 54.0 and 43.9. There is an obvious amount of overlap here. Critical tailoring can be accomplished by changing sprockets. Example: discard the 17, 21, and 32-tooth sprockets, replacing them with 16, 19, and 34-tooth cogs. This layout will provide 10 **useable** gears. Another, less exacting method would be to change one of the chainwheels. A 44-tooth chainwheel in place of the 42-tooth chainwheel for example, would provide a full 10 speeds. (We recommend changing cogs as a more precise and generally more economical method of gearing modification)

"I think the Bike Warehouse is one of the greatest places to buy bike parts and accessories," R.W.

rims

NOTE: We recommend using Tresse Fond Rim Strip on ALL narrow clincher rims.

NOW MADE BY WOLBER

SUPER COMPETITION CHAMPION



clincher rim TYPE 58

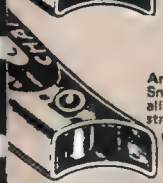
Super Champion Clincher Rim, 16mm inside width. Use with wide tires. Schrader valve hole. 36 Hole. Specify: 27"(530G) or 700c (560G).
WO-SCC-X $12.75 ea., $21.95 pr.



New Super Champion "Gentlemen" Clincher Rim, 20mm wide. 27" (485.2G) or 700C (482.2G), silver, 36H. Presta Valve Hole
WO-SCG-X $12.80 ea. $22.80 pr.

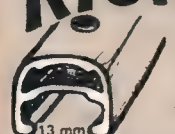


Record du Monde Tubular Rim, for light road and Criterium. Silver, 36H. Width: 19.5 Weight: 310G. 700C.
WO-SCR $13.25 ea. $24.10 pr.



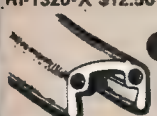
Arc-en-ciel Tubular Rim-Smooth-sided, An excellent all-purpose road rim with strength to spare. 330G.
WO-SCA $12.50 ea. $24.10 pr.

RIGIDA



13mm clincher

Rigida 13mm Clincher Rim, the same width as tubulars so there is no brake adjustment necessary at all when switching back and forth. Works great with the "W20", Elan TS, and Roadlite Z. Only 13 mm inside width, double width, double wall construction for strength and the tube support.
Specify: 700c/430G. (Same as tubulars) 27"/430G.
Great when used with Wolber "20" 700c
RI-1320-X $12.50 ea., $22.55 pr.



clincher

RIGI-ALU Clincher Rim an alloy clincher with eyelets. 36H.
Specify: 27" (520G) or 700c (540G)
RI-RA-X $11.50 ea., $21.95 pr.

FIAMME

red label



Fiamme Red Label Tubular Rim, 360G., 21mm wide, 36H, highly polished.
FI-R $12.75 ea. $22.95 pr.

Fiamme Gold Label Ergal Tubular Rim, super strong, superlight 'Ergal' composition, 290G., 20.4mm wide, satin finish. 28, 32, 36H.
FI-E-X $18.90 ea., $34.02 pr.

AMBROSIO



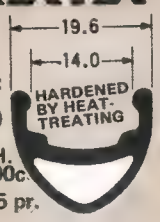
Tubular Rims, special alloy. Unusual dull grey finish due to heat treatment. 36H standard.
CA-AM-X Montreal (350G.) **$39.95 pr.**
CA-AS-X Synthesis (400G.) **$59.70 pr.**

28Hole or 32Hole are SPECIAL ORDERED

NEW AMBROSIO CLINCHER RIMS, heat-treated. 410G. 36 Hole. Dull Grey finish. Specify: 27 x 1 or 700 x 25. CA-AC-X $41.90 pr.

ARAYA

Call for Availability



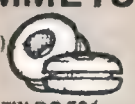
AERODYNAMIC Clincher Rims, light alloy. Weight: 510G (27 x 1") 500G (700c x 25c) Black anodized.
Specify: 32 or 36H. Specify: 27" or 700c
AY-ADC-X $59.25 pr.



AERODYNAMIC TUBULAR RIM, hardened heat-treated aluminum. 300G. Specify: 32, 36 Hole
AY-ADT-X $59.95 pr.

RIM GROMMETS

Now adapt your Schrader holed (clincher) rims to take the more efficient Presta valved tubes. Makes the hole smaller preventing cuts in the stem and tube.



BW-RG 50¢ pr. 5 pr/$2.00

TUBULAR

VELOX



VE-C76
Competition 76 Rim Tape- 100% cotton. New quality permits a more efficient and longer-lasting adhesion. Tape is separated by a waxed paper lining-strip, thus avoiding sticky hands and making for easier application. No need to refrigerate before use. **$2.25 roll (enough to do 1 pr.) 10 rolls/$18.50**

TUBULAR **rim cement**



Top-Quality Clement Sew-up Rim Glue.
TO-RC $1.40 10/$12.90

USING RIM CEMENT
1) Clean surface of rim thoroughly
2) Apply glue evenly to tire surface of rim, using half of tube content per rim
3) Let glue dry for at least 15 minutes
4) Mount tubular on rim & pump up tire until hard. Before installing wheel on bike make certain tire is securely glued to rim

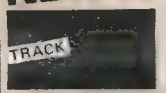


Tubular Rim Glue Remover, most cements are removed from rims in less than 10 minutes. Lower in toxicity. Removes decals in seconds. Removes tar from bicycle frames-harmless to most paints. Cleans rims and spokes-harmless to tires. Use paper towels for cleaning. Rated non-flammable. Comes with brush in the cap.
PC-GR $3.75

tubulars

NOTE: Once a tubular has been glued on or ridden it cannot be returned for credit. We recommend inflating the tire for a day BEFORE gluing & mounting to insure against defects or leaks. We cannot be held responsible for damage resulting from faulty mounting. NOTE: Latex does not hold air as long as Butyl.

NEW WOLBER



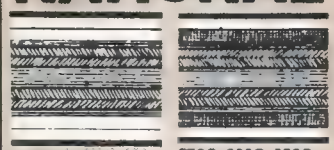


Record 18 Piste, for high performance track use. 18.5mm, 165G. Latex tube, Super fine file tread.

Record Route, for time trails. Best road performance. 18.5mm 185G. Latex tube. Super fine rib tread.

Specify: Track or Road WO-18-X $30.40 EA.

NATIONAL



National Tubular Tires, butyl tube, nylon casing. **Specify: 230,270,300,350G.**
CP-NT-X 230G., **$13.60 ea.**
270G., **$12.50 ea.**
300G., **$12.10 ea.**
350G., **$11.90 ea.**

Clement

AGED 1 YEAR



Super Condor, cotton casing. Butylized latex tube helps prevent leaking. Vulcanized. 26mm width. Weight: 270G. File tread. Popular racing tubular.
CL-SC $10.50 ea.



Campionato del Mondo, standard silk casing. Latex tube. Cold-processed mold. 27mm width. Rib tread. Weight: 280G. A best-seller silk tubular.
CL-CM $31.90 ea.



Criterium Seta, cotton casing fabric. Latex tube. Cold-processed mold. 25mm width. NEW lower weight: 250G. Chevron tread. A good road racer.
CL-12 $29.50 ea.



Paris-Roubaix Art. 13b, standard silk casing fabric. Latex tube. Cold-processed mold. 25mm width. Weight: 270G Chevron tread. Popular road racer.
CL-PR $35.50 ea.

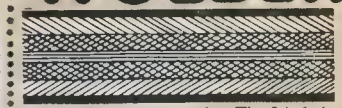


Future INVULNERABLE, one of the most flat-resistant tubulars you'll find because of a new puncture-proof casing material. Butyl tube. 290G. Herringbone tread.
CL-FI $21.90 ea.



TUBULAR REPAIR KIT No. 5, complete repair kit for sew-up tire in a compact metal box. We suggest you keep a single-edge razor blade in the kit to cut threads.
VE-N5 $1.50 ea. 10/$13.00

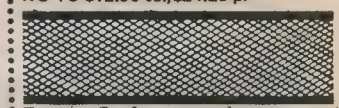
WOLBER



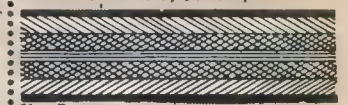
Leader, our most popular. The fabric is made of the same fine Egyptian cotton thread used in the handmade types. The rib/mixed tread is supported by an elastic rubber strip. Fitted with extra-lite pure gum tube. 270G. Small 24mm section, translucent sidewalls.
WO-L $15.10 ea.,$29.90 pr.



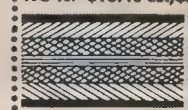
Team Corsa, molded tubular is easy to fold for a spare. Butyl tube holds pressure for long periods. A good training tire. 270G. Rib center w/mixed outer tread.
WO-TC $12.90 ea.,$24.20 pr



Touresta Renforce, great for year-round hard use. File tread, butyl tube. 370G.
WO-TR $14.10 ea., $26.79 pr.



Neo Pro, vulcanized tubular with the advantages (weight, responsiveness) of a high-priced handmade tubular. 252G. 22mm section.
WO-NP $16.40 ea.,$30.90 pr.



THE MOST FLAT RESISTANT TIRE WE HAVE EVER SEEN
"INVULNERABLE" TUBULAR-A Steel Radial for your bike
A stainless-steel wire mesh under the tread deflects material like glass, nails, stones. Cotton sidewalls, latex tube, Rib center with mixed outer tread. 280G.
WO-IT $18.90 ea., $36.86 pr.

hutchinson

hutchinson · gommitalia spa



Sprint Anticrevaison, for touring. Self-sealing, heavy duty butyl tube. Pure cotton body, replacable valve. 23mm. 330G. 85/100 P.S.I.
HT-SA $15.50 ea. $29.80 pr.



BUTILITE
Supersprint 280, touring & training. Butilite tube. Pure cotton body. 23mm. 280G. 85/100 P.S.I.
HT-SB $13.50 ea. $24.90 pr.



GTX 80 Corsa, sem-pro racing. Latex tube is lighter & holds air longer than butyl. Fine cotton body. Replacable valve. 23mm. 260G. 85/100 P.S.I.
HT-GL $17.50 ea. $33.90 pr.



BUTILITE
Cross TR, cross-country training and racing. Butilite tube. Pure cotton body. Replacable valve. 26mm. 350G. 85/100 P.S.I.
HT-TR $14.50 ea. $26.10 pr.

Valve Replacements-HT-VR 90¢ ea

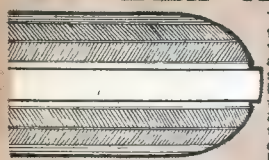
"Thanks again for the quick service." B.U. [illegible] CA

we try to ship same day

clinchers & tubes

SEE PAGE 30 FOR CLINCHER/RIM COMPATABILITY CHART

SPECIALIZED



TOURING Tire, high performance design places your weight directly over a raised center ridge which serves as a tough mileage band to reduce rolling friction, extend tread life & direct more energy into forward motion. The combined center ridge, herringbone tread & ribbed sidewalls offers responsive braking and cornering traction. 325G.

1¼"- 32c—Full-load touring
1 1/8"- 28c—Commuter/Tourist
1"- 25c—Centuries/Training

Sizes: 27x1, 27x1 1/8, 27x1¼, 700x25, 700x28, 700x32c

SB-TT-X $7.80 ea., $14.82 pr.

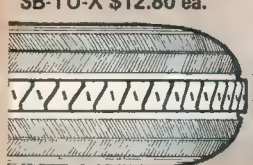
TOURING II Tire, lighter and more resilient through the use of a thinner premium nylon casing with a finer weave. Helps the tread conform to the road surface for increased confidence during hi-speed cycling. 1 1/8"- 28c (290G)—Light-load touring, club rides, centuries; 1"- 25c (270G)—Fast performance training. 95PSI.
Sizes: 27x1, 27x1 1/8, 700x25c, 700x28c
SB-T2-X $8.50 ea., $16.15 pr.

ULTRALIGHT Tire, a most sophisticated wire bead tire w/ the finest weave premium casing for road-hugging resilience and minimum weight. Raised center ridge. Lightness gives exciting acceleration in sprints and climbs. 1"- 25c—For narrow rims only. 225G. 95PSI. **Sizes: 27x1, 700x25c**
SB-UL-X $8.90 ea..

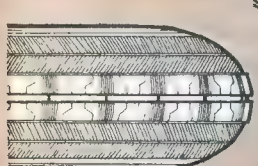


TOURING TURBO Tire, for the tourist who wants the performance of tubulars without their maintenance and expense. Premium nylon casing for unsurpassed resilience. DuPont Kevlar fiber bead results in a lighter, simple-to-mount, straight-seating tire which allows on-the-rim repairs. This bead allows the tire to fold compactly-making it a perfect spare. Rib sidewalls provide extra grip in turns. Raised center ridge cuts rolling resistance. 95PSI.
1¼"- 32c (280G)—Extended touring on mixed surfaces;
1 1/8"- 28c (250G)—Perfect for tandem touring.
Sizes: 27x1 1/8, 27x1¼, 700x28c, 700x32c
SB-FTT-X $12.80 ea.

TURBO/S Tire, offers the ultimate in clincher performance for racing and high-speed riding. Same Kevlar bead and premium nylon casing construction as the Touring Turbo. Withstands high pressures under load and stress. 100PSI. 195G. Folds for storage. **Sizes: 27x1, 700x25c**
SB-TU-X $12.80 ea.



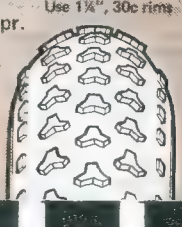
TOURING X Tire, can't be beat for all-round heavy duty use. Extra-tough nylon casing & heavy-duty tread. Thick center ridge is textured with a deep "Z" pattern for traction. Herringbone tread gives better gripping on rough or wet surfaces. Double casing lap layer under the tread helps prevent punctures. A great tandem performer. 400G. 95PSI.
Sizes: 27x1¼, 700x32c
SB-TX-X $8.30 ea., $16.10 pr.

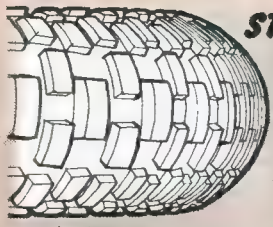


COMMUTER Tire, offers durability & performance in the daily battle against city traffic. Tough nylon casing with beefy sidewall for durability & strength. Deep ribbed tread pattern for excellent lateral stability for confident maneuvering in heavy traffic. 500G. 85PSI.
Sizes: 27x1¼, 26x1 3/8
SB-C-X $4.70 ea. $8.93 pr.

EXPEDITION Tire, extra heavy-duty performer for tandems, expedition touring or rough dirt road riding. Heavy duty casing, very thick herringbone tread and raised center ridge with deep ribbed tread for extra traction. Deflating the tire slightly improves its shock absorbing characteristics and improves traction on rough dirt roads. 475G. 75PSI.
Sizes: 27x1 3/8, 700x35c Use 1¼", 30c rims
SB-E-X $8.95 ea., $17.00 pr.

NEW **TRI-CROSS Tire,** rough dirt riding. **Specify Sizes:**
27x 1 3/8
700x 35c
26x 1.75
26x 2.125
SB-TC-X $14.90 ea.
27" & 700c use 1¼" & 30c rims

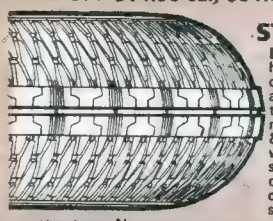




STUMPJUMPER

Mountain Tire, a true, high performance mountain and wilderness tire. Super quality nylon casing is extra-tough to resist bruising & strong enough to take high pressures for low friction rolling on pavement. A full profile for exceptional flotation under low pressures-this smooths out rough surfaces while protecting the rim.

For climbing, descending or lay-it-over cornering, this skin-side wrap-around knobby will do the job.890G. 35-45PSI.
For 26" Wheel riders. Size: 26x2.125
SB-SJT $14.90 ea., $31.04 pr.



STREETSTOMPER

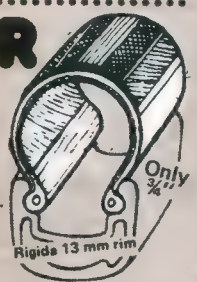
Dirt/Commuting Tire, its high strength/flotation characteristics make this an excellent multi-surface tire. Raised center ridge minimizes rolling resistance, & a heavily pebbled tread wraps around the sides for sure cornering. Premium quality nylon casing combines comfort with strength for high pressure street use. Now you can use your mountain bike for touring, commuting or just plain cruising. 750G. 35-45PSI.
Size: 26 x 1.75
SB-SST $14.90 ea., $31.04 pr.

SPECIALIZED TUBES for use with Stumpjumper & Streetstomper Tires. Presta or Schrader

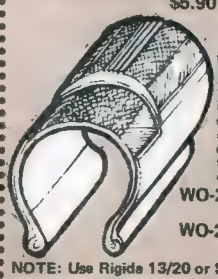
SB-PT Presta Valve Tube, fits 26x1.75 or 26x2.125 tires. $2.80 ea., $5.04 pr.
SB-ST Schrader Valve Tube, fits 26x1.75 or 26x2.125 tires $2.80 ea., $5.04 pr.

NEW **SPECIALIZED LATEX TUBE,** treated internally and externally with a special talc. Comes in an air tight bag. Fits Specialized tires from 25c to 32c. 60G. Presta.
SB-LT $6.90

WOLBER



W"20" Tire, the smallest and finest cotton cord clincher. Cotton is softer, which is needed in such a high-pressure tire. Only ¾" (20mm section). Works great with 13mm rims. Only 340G. (Tire & Tube)
Sizes: 27" or 700c
WO-W2-X Tire only, **$7.90 ea., $15.26 pr.**
WO-2 Presta Tube, **$3.25 ea. $5.90 pr.**



W"23" INVULNERABLE Tire, A STEEL RADIAL FOR YOUR BIKE. All the technology used in the Invulnerable Tubular combined with the responsivness of the W"20" clincher. Cotton cord. We highly recommend this tire for flat-free touring. 465G. 90PSI. **Sizes: 27" or 700c**
WO-23-X Tire only, **$10.90 ea. $19.96 pr.**
WO-23T Presta Tube, **$3.50 ea. $5.96 pr.**

NOTE: Use Rigida 13/20 or Super Champion Gentlemen Rims

NATIONAL



Touring Tire, designed for long life-perfect for the serious tourist. The special "S" groove provides better traction. Made of the finest materials, this gumwall lasts longer, has a lower rolling resistance and offers improved cornering and braking.
Sizes: 27x1-310G/100PSI
27x1 1/8-450G/100PSI
27x1¼-470G/90PSI
700x28c-406G/90PSI
700x25c-305G/100PSI
CP-TT-X $6.95 ea. $13.10 pr.



MICHELIN

Michelin 50 Tire, Chevron tread, 480G.,
Size: 27x1¼ **MI-50 $5.10 ea., $9.69 pr.**

INNER TUBES



IN-SP Presta Tube, **IN-SS** Schrader Tube, fit 27x1" or 700x25c. **$3.25 ea., $5.96 pr.**

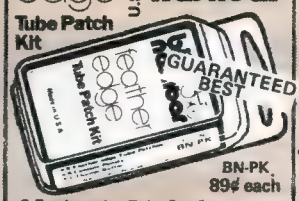
IN-MP Presta Tube, **IN-MS** Schrader Tube, fit 27x1 1/8 or 700x28c. **$2.85 ea., $5.15 pr.**

IN-LP Presta Tube, **IN-LS** Schrader Tube, fit 27x1¼ or 700x30c. **$2.75 ea., $5.10 pr.**

IN-T26 Schrader Tube, fits 26x1 3/8, **$2.60 ea.,$4.90 pr.**

feather edge bike nashbar U.S.A.

Tube Patch Kit



BN-PK 89¢ each

- **6 Feather-edge Tube Patches**
- **6 Cement Pellets** (No tube to dry out)
- **1 Thumb Buffer/Cement Pellet Cutter**



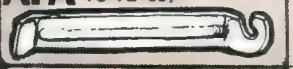
TIRE SAVERS mount behind the brake and rub lightly on the tire, knocking debris off before it can puncture the tire. Use on sew-ups or clinchers. Formed stainless steel with vinyl sound absorber.
CP-TS $1.25 pr. 10 pr./$9.11

SPECIALIZED

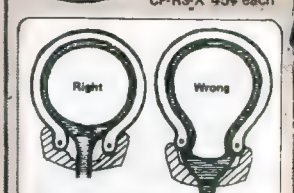


ALUMINUM TIRE LEVERS
3 Levers for less than the price of 2
SB-TL $2.20 Set of 3

AFA Tire Levers, steel, set of 3 **TO-TL 80¢**



CLINCHER **rim strip** 27 x 1¼ or 700 x 28c
CP-RS-X 45¢ each



When installing clincher tires, be sure tire is properly seated in the rim before pulling stem into place.

folding a clincher



Follow these five simple steps in properly folding a clincher tire for storage in seat pack or pannier.

1) Fold tire once in half (tire now forms a figure eight)
2) Fold one half inward, so that it meets the center of the first fold.
3) Draw the other loop in to match the two smaller loops you just made.
4) Draw these three loops together, equalizing them into one tight circle.
5) Bind the folded tire with tape.

VELOX



TUBULAR REPAIR KIT No. 5, complete repair kit for sew-up tire in a compact metal box. We suggest you keep a single-edge razor blade in the kit to cut threads.
VE-N5 $1.50 ea. 10/$13.00

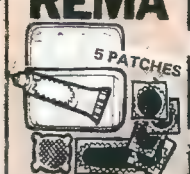


FLAC KIT, complete kit to repair the inner tubes of your clincher tires. Comes with 6 patches.
VE-FK $1.48 ea. 10/$12.90



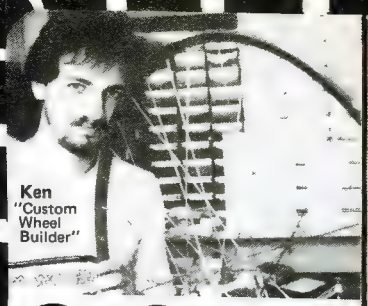
TRESSEFOND Clincher Rim Strip, for narrow rims. Adhesive backed for easy installation. Recommended for all narrow clinchers. 2 Sizes:
Type 51-Gentlemen, 13/20, Ambrosio
Type 56-Rigida, Super Champion
VE-TF-X $2.00 set 10/$16.50

REMA



Clincher Patch Kit, w/ super-thin patches with tapered star edges, glue, and plastic case.
SB-RM $1.25 ea. 10/$11.00

"All of you at Bike Warehouse are super." S.D. Opelika, AL



CUSTOM WHEELS

Design your own custom-built wheels. Select any rims, spokes and hubs. Choose from Radial to Cross4 in any combination (i.e.- 3 Cross in front/4 Cross in rear. We will lace, true and pack your wheels in a special carton

BW-CBWL-X $14.00 ea., $28.00 pr.
Plus Cost of Individual Components

NOTE: Spokes are priced separate for Custom Wheels Only—

SB-SSE DT, S.Steel, 14G., 18¢ each
SB-SD15E DT, 15/16/15G., 25¢ each
OM-DBSE Monogram, 8¢ each

EXAMPLE: Rim: Rigida 13 20 $22.55
Spoke: DT 14g $12.96
Hub: Avocet Mod. I $44.59
Lace, True, Box $28.00
Front: 3 Cross
Rear: 3 Cross
$108.10
Shipping 3.75
$111.85

IMPORTANT: Specify Rim Size Hub Flange and Rear Hub (5 or 6 speed)

Advanced Money Order or Credit Card only. NO SHIPMENTS TO CANADA

Our Custom Wheels are professionally laced and trued to perfection for even spoke tension and roundness. Guaranteed to be delivered in perfect condition.

With Our Wheels—the hubs all read from the rear and the rims read from the right. We even countersink the spoke holes when required at no extra charge

PLEASE NOTE: You can tell us your requirements (heavy-duty touring, club riding, racing, heavy rider (220lb), light rider (120lb), want super light or super strong), and we will choose the components and spoke pattern to best suit your needs

Tires & Freewheels are NOT Installed

ALLOW 2 - 3 WEEKS

custom wheel order form

Attach to full size order form.

Name:

	FRONT	REAR	PAIR
Rims :			
Spokes:			
Hubs :			
Lace, True and Box		$14.00	$28.00
Front / Rear	$14.00		
Date: / /			TOTAL

BUILT WHEELS
From BIKE NASHBAR

*Rims and Hubs are light alloy to save weight
*Hubs are quick-release to save time and trouble
*We offer these wheels to save you money

SOLD IN PAIRS ONLY

PRO CLINCHER Built Wheel, Rigida 13 x 20 or Super Champion Gentlemen clincher rims (27" or 700c); SunTour VX S.F., Shimano 600 S.F. or Cyclepro hubs; and X4 Monogram spokes. **Takes tires 1" or 1 1/8". Specify: 27" or 700c**
BN-PCP-X $72.90 pr.

TOURING CLINCHER Built Wheel, Super Champion or Rigida rims (27" only); SunTour VX S.F., Shimano 600 S.F. or Cyclepro hubs; and X4 Monogram spokes. **Takes tires 1 1/8" or 1 1/4".**
BN-TCP $70.90 pr.

TUBULAR Built Wheel, Super Champion Arc-en-ciel or Record du Mondo rims; SunTour VX S.F., Shimano 600 S.F. or Cyclepro hubs; and X3 Monogram spokes.
BN-TUP $79.50 pr.

NEW **FREEHUB CLINCHER Built Wheel,** Rigida 13 x 20 or Super Champion Gentlemen rims (27" or 700c); Shimano 600 EX Freehub, 6-spd, 13 x 28T; X4 Monogram spokes. **Specify: 27" or 700c**
BN-FHW-X $81.90 pr.

NEW **CAMPAGNOLO TUBULAR Built Wheel,** Super Champion Arc-en-ciel or Fiamme Red Label rims; Campagnolo Nuovo Record S.F. 6-spd hubs, 36H.; X3 DT stainless 14 gauge spokes.
BN-CW $135.50 pr.

NO CHOICE ON HUBS OR RIMS. COMPONENTS USED WILL DEPEND ON AVAILABLE SUPPLY.

NO SHIPPING TO CANADA

CLINCHER TIRE/RIM COMPATABILITY

A: Recommended
B: Will Work
C: NOT Recommended

Specify 27" or 700C

		Super Champion Gentlemen Mavic Modular E Rigida 13x20 13mm	Super Champion (std.clincher) Mavic Modular 3 Rigida Rigi-Alu 16mm
Wolber W20	¾"- 20C	A	C
Specialized Touring, Touring II	1"- 25C	A	C
Specialized Turbo S		A	B
National CP-TT		A	C
Specialized Ultra-Light		A	C
		A	B
Specialized Touring, Touring II	1 1/8"- 28C	A	B
Specialized Touring Turbo		A	B
Wolber 23		A	C
National CP-TT		A	B
SBI Touring, Commuter, Touring X	1¼" 30C	C	A
Michelin 50		C	A
National CP-TT		C	A

ALL TUBULAR TIRES FIT ALL TUBULAR RIMS

IF YOU TELL US THE RIMS, HUBS & SPOKE PATTERN YOU ARE USING, WE WILL SELECT THE RIGHT SPOKE LENGTH FOR YOU



ROUND SPOKE WRENCH, fits 6 nipple sizes: 10, 12,13,14,15,16 gauge. Japan.
CP-RSW $1.45



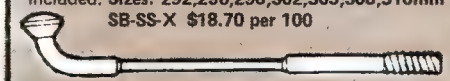
Professional Spoke Wrenches, Green-most European Spokes; Red-for Japanese Spokes; Black-DT & Monogram/Ohio SPECIFY COLOR
PT-SW-X $3.80 each

SOLD IN 100's ONLY

DT SPOKES
Finest Swiss Quality



Straight 14 Gauge, stainless steel. Nipples included. **Sizes: 292,296,298,302,305,308,310mm**
SB-SS-X $18.70 per 100



Double-Butted 15 Gauge, stainless steel. 15/16/15. Nipples included. **Sizes: 292,296,298,302,305, 308,310mm**
SB-SD15-X $24.50 per 100
SB-AN-X Alloy Nipples, 15 Gauge, **$9.00 per 100**

Monogram/ohio rod SPOKES

Monogram produces excellent quality, good strength spokes with consistantcross-section, reliable thread tolerance and chrome-zinc plating. The 5/8" long nipples are about the same weight as the 7/16" long foreign-made nipples. The extra length provides more threads and ease of handling. 36 11½" spokes weigh 187G. 36 Monogram nipples weigh 37G. TOTAL WEIGHT: 224G.

Monogram Double-butted Spokes, 14/15/14 gauge, with plated brass nipples. **Specify Size: (By eighths) 11 1/4" to 12 1/8"**
OM-DBS-X $7.98 Per Hundred (in one size) Sold in 100's Only

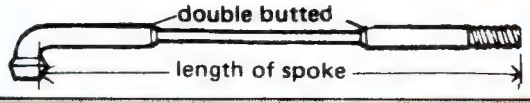
SPOKE SIZING CHART

1" Rims Super Champion Gentleman Rigida 13/20 Ambrosio Clincher	27" X3	27" X4	700c X3	700c X4
Small Flange	302mm 11 7/8"	308mm 12 1/8"	298mm 11¾"	305mm 12"
Med/Lg. Flange	295mm 11 5/8"	305mm 12"	292mm 11½"	298mm 11¾"

1¼" Rims Super Champion Clincher Rigida Rigi-Alu	27" X3	27" X4	700c X3	700c X4
Small Flange	302mm 11 7/8"	308mm 12 1/8"	302mm 11 7/8"	308mm 12 1/8"
Med/Lg. Flange	295mm 11 5/8"	305mm 12"	295mm 11 5/8"	302mm 11 7/8"

All Tubular Rims	X3	X4
Small Flange	298mm 11¾"	305mm 12"
Med/Lg. Flange	292mm 11½"	295mm 11 5/8"

Use as a Guide... Not Completely Accurate

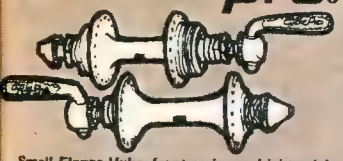


"Your employee gave me wonderful service," J.S., New Kensington, PA.

we try to ship same day

NEW Cycle pro®

5 or 6 SPD.
SMALL FLANGE HUBS



Small Flange Hubs, front and rear. Lightweight alloy. Silver anodized. Quick-release. 36 Hole.
Specify: 5 or 6 Spd. CP-SF-X $21.90 pr.
Rear Only-Specify: 5 or 6spd.,CP-SFR-X $13.70

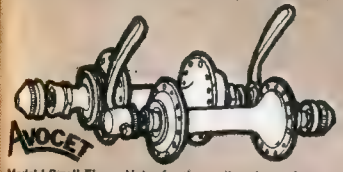


Cyclo Pro Competition Skewers, Quick-release assembly. Top quality from Italy. Includes Front & Rear. Excellent Value !
CP-QRS $8.90 pr.

Campagnolo



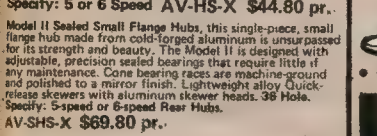
CA-1253 Nuovo Tipo Lg. Flange Hubs, 567.1G., $49.90 pr.
CA-1251 Nuovo Tipo Sm. Flange Hubs, 508.4G., $46.90 pr.
CA-1035-X Nuovo Record Lg. Flange, 595.6G., $76.80 pr.*
CA-1034-X Nuovo Record Sm. Flange, 519.2G., $64.50 pr.*
CA-1034/36-X Special Hi/Lo Flange, 541.8G., $87.95 pr.*
CA-1036/2-X Nuovo Record Sm. Flange Track, $77.95 pr.*
CA-1036-X Nuovo Record Lg. Flange Track, $77.95 pr.*
CA-1034/A-X Nuovo Record Front Sm.Fl. Hub, $36.25 ea.*
CA-1034/P-X Nuovo Record Rear Sm.Fl. Hub, $38.25 ea.*
CA-1035/A-X Nuovo Record Front Lg. Fl. Hub, $42.40 ea.*
CA-1035/P-X Nuovo Record Rear Lg. Fl. Hub, $44.40 ea.*
CA-1034/6-X Nuovo Record 6-spd. Sm. Fl. Hubs, $68.50 pr.*
CA-1035/6-X Nuovo Record 6-spd. Lg. Fl. Hubs, $80.80 pr.*
CA-1034/P6-X Nuovo Record Rear 6-spd. Sm. Fl., $42.25 ea.*
CA-1035/P6-X Nuovo Record Rear 6-spd. Lg. Fl., $48.40 ea.*
* We stock 36 Hole. Specify if: 24, 28, 32 or 40 Hole.



Model I Small Flange Hubs, for the cyclist who prefers to maintain his own equipment. This hub features traditional adjustable cones and Avocet press-fits hardened steel bearing races that are precision-ground. Model I Hubs come with chromed steel quick-release skewers. 36 Hole.
Specify: 5 or 6 Speed AV-HS-X $44.80 pr.

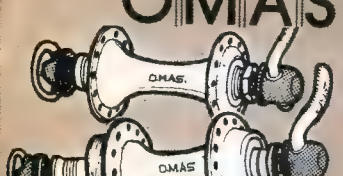
Model II Sealed Small Flange Hubs, this single-piece, small flange hub made from cold-forged aluminum is unsurpassed for its strength and beauty. The Model II is designed with adjustable, precision sealed bearings that require little if any maintenance. Cone bearing races are machine-ground and polished to a mirror finish. Lightweight alloy Quick-release skewers with aluminum skewer heads. 36 Hole.
Specify: 5-speed or 6-speed Rear Hubs.
AV-SHS-X $69.80 pr.

zeus



Zeus 2000 Hubset, Titanox, 470G. Titanium Skewers. English. Quick-release. **Specify: Black or Silver**
Specify Holes: 24, 32, 36, 40H Specify: 5 or 6 spd.
ZU-28000-X $94.32 SPECIAL ORDER

OMAS



Sealed Bearing Small Flange Hubs, steel alloy axles, precision sealed bearings, aluminum skewer ends. 36 Hole. A beautifully-finished hub. English. **Specify: 5 or 6 speed**
OS-H-X $64.50

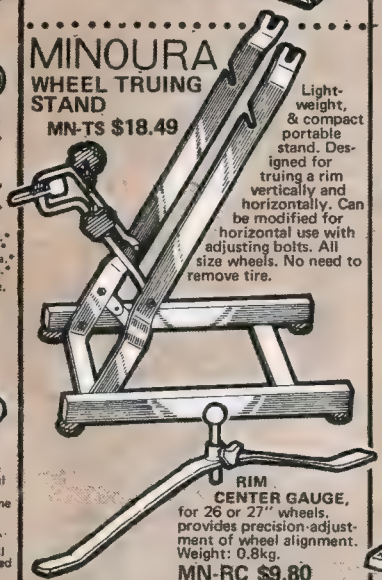
Park



Wheel Truing Stand, chrome-plated steel construction. Self-centering-wheel dishing is automatic. Comes assembled.
PT-TS $139.50

MINOURA WHEEL TRUING STAND

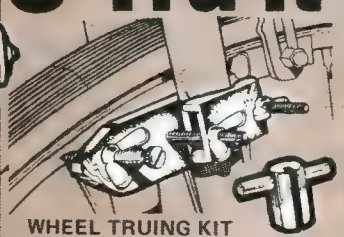
MN-TS $18.49



Light-weight, & compact portable stand. Designed for truing a rim vertically and horizontally. Can be modified for horizontal use with adjusting bolts. All size wheels. No need to remove tire.

RIM CENTER GAUGE, for 26 or 27" wheels, provides precision-adjustment of wheel alignment. Weight: 0.8kg.
MN-RC $9.80

U-Tru-It™



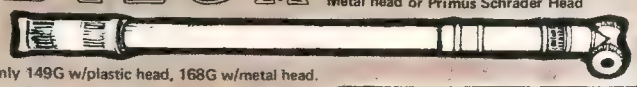
WHEEL TRUING KIT
Enables cyclists to true wheels simply and accurately without removing the tires or wheels. Clamp the unit to your fork for its truing reference. Adjust the caliper to accurately gauge rim drift. Adjust the spokes accordingly with the included spoke wrench. You're now ready to roll. Constructed of tough zinc-plated steel with a plastisol coating to protect your bike's finish. The kit is complete; lightweight, compact and portable. Complete w/instructions & spoke wrench.



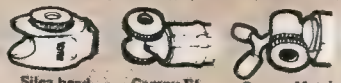
UT-WT $7.90

SILCA

SILCA FRAME FIT PUMP with either Silca head Presta, Campy Superlight head or Campy Metal head or Primus Schrader Head



Only 149G w/plastic head, 168G w/metal head.



Silca head Chrome plastic — Campy SL — Campy Metal

SI-PRH Primus head only, **$5.25**
SI-SH Silca head only, **$4.95**

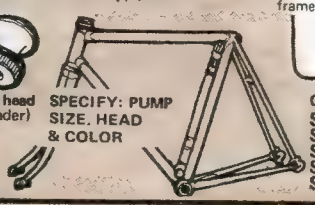
Note: Metal pump heads fit ½" larger frames

PUMP SIZE (body-cm)	frame opening "	bike frame size "	bike frame size cm
40	15½-16½	18-19	47-48
42	16¾-17½	19-20	48-51
44	17-18	19½-20½	49.5-52
46	17½-18½	20-21	51-53.4
48	18½-19½	21-22	53.4-56
50	19½-20½	22-23	56-58.4
52	20½-21½	23-24	58.4-61
54	21½-22½	24-25	61-63.5
56	22½-23½	25-26	63.5-66

PUMP SIZING CHART
Use pump size slightly longer than frame "opening"



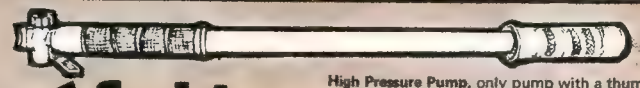
Primus head (schrader)



SPECIFY: PUMP SIZE, HEAD & COLOR

Colors: Blue, Black, Silver, White, Red
SI-K-PS-X with Silca head, **$9.95**
SI-K-PSL-X w/Campy SL, **$12.30**
SI-K-PCM-X w/Campy metal, **$14.45**
SI-K-SCH-X w/Primus (schrader), **$12.25**
SI-P-X without head, **$8.50**

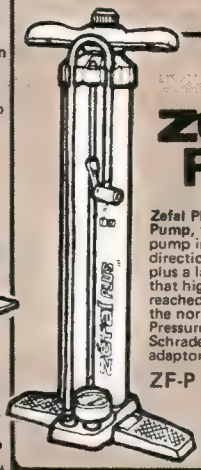
zéfal hp



FITS SCHRADER AND PRESTA

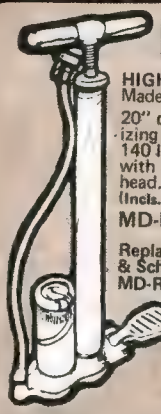
High Pressure Pump, only pump with a thumb lock - no leaks or difficult holding. Satin anodized aluminum body, black plastic grip. 203.5G. FITS SCHRADER & PRESTA.
Specify: Short (18" to 21" frames)
Normal (21" and over)
ZF-HP-X $8.40

zéfal PLUS



Zefal Plus High Pressure Pump, two chambers, each pump in the opposite direction. This feature, plus a large capacity means that high pressure is reached in less than half the normal strokes. Pressure gauge. Comes Schrader with a Presta adaptor included. 4.4 lbs.
ZF-P $36.70

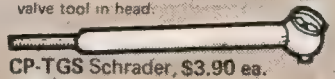
MDI



HIGH PRESSURE PUMP, Made in Japan by Meidai. 20" chrome barrel. Equalizing pressure tank with 140 lb. gauge. 22" hose with Schrader thumb lock head. Super easy action. **(Incls. Presta Adaptor)**
MD-HP $13.70

Replacement Hose & Schrader Head, MD-RH $2.25

Tire Gauge, accurate and shock proof. Calibrated 50 to 140 lbs. Schrader has valve tool in head.

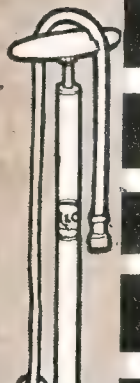


CP-TGS Schrader, $3.90 ea.



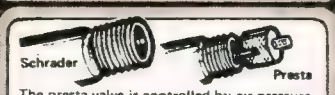
PRESSOGRAPHE Tire Pressure Gauge, for Presta tires only. Sturdy plastic construction with easy-to-read gauge. Records pressure in both lbs. per sq. in. (PSI) and in atmospheres (Barometric). Comes with a convenient carrying case. **TO-PTP $6.50**

SILCA



Floor Pump, made of Columbus Tubing. Lb/Metric gauge on the base. 200+ PSI means available pressure for any tire. Extra-large brass air chuck has a latex seal inside to prevent any air loss around the valve. **Fits Presta** Extra-long hose. Very little effort needed to acheive desired pressure. **Orange Enamel finish.**
SI-FP $26.95

Replacement Brass Head, SI-RH $6.50



The presta valve is controlled by air pressure alone, unlike the schrader which utilizes air pressure and a spring-loaded valve. The presta-equipped tube is definately easier to inflate. Also, the narrow stem of the presta makes it possible to fit either a small or large-hole rim (with the use of a grommet), whereas the wide schrader stem is limited to large-hole rims. Also, an adapter may be used on a presta valve to fit a schrader pump.

valve adapt



NEW "O-Ring" Seal
Adapts Presta to Schrader.
BRASS TO-VA 45¢

NOTE: If your pump is not pumping air properly.....BEFORE RETURNING, check the seal inside to see if it has dried out. If so, use some petroleum jelly to soften it up.

SPROCKET TOOL



Change or assemble your own sprockets with our all-new sprocket tool. Now factory-machined, the sprocket tool comes complete with easy-to-follow instructions; cut-away illustrations showing the different types of design and assembly; and a really helpful sprocket tooth-counting chart that lets you determine tooth count at a glance!

The entire sprocket tool kit comes poly-bagged and will quickly become one of the most valuable and indispensable tools in your collection. Use one if a sprocket vice is available, or use 2 without a vice or right on the wheel itself!

BN-ST 1/$3.75, 2/$6.94
10/$27.49

MINOURA WORK STAND

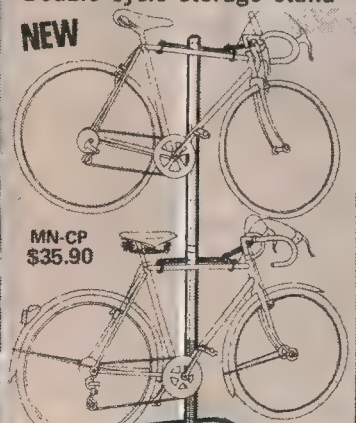


Work Stand, made of lightweight, durable steel. Easily adjusted. Tool tray keeps necessary tools within reach. Can double as a display stand, too. Black.
MN-WS
$28.50

CYCLE PILLAR

Double cycle storage stand

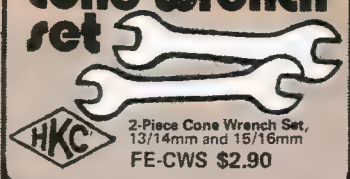
NEW



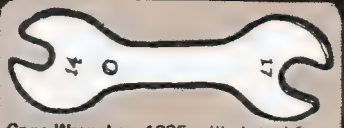
MN-CP
$35.90

Cycle Pillar, lightweight, durable steel Suspends one bike above the other to utilize space. Bikes are supported under cross-bars & additional adjustable hook holds handlebars straight. U-shaped base provides stable support. Easy dismantling.

cone wrench set



2-Piece Cone Wrench Set, 13/14mm and 15/16mm
FE-CWS $2.90



Cone Wrenches, 1095 milled steel for optimum thickness; austempered for maximum toughness & wear resistance. Ball burnished blunt edges are easier on the hands than coined edges. Durable nickel chrome plating and holes for hanging. Each wrench is hand-straightened after it is made.

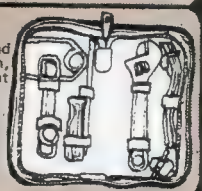
AA-C-X $2.10 ea. 13/14mm 15/16mm 14/17mm

Cone Wrench Use Chart

Hub	Front		Rear	
600	13	17*	15	15
Dura-Ace	13	13	14	14
Sunshine	14	16	16	17*
Pro Am	13	16	14	14
Campy Nuovo Record	13	16	14	14
Nuovo Tipo	13	16	14	17*
Avocet	13	13	14	14

*Open-end wrench will work

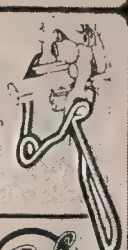
Standard Tool Kit, includes: Third Hand Tool, Spoke Wrench, Tire Levers, Crescent Wrench, Dumbell Wrench, Double-ended Screwdriver. Zippered vinyl case.
CP-STK $9.90



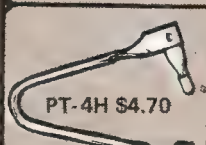


ALLEN HEX WRENCHES, (mm)
Specify: FE-4, FE-5, FE-6, FE-7
50¢ each

3rd hand brake tool

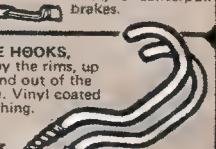


3rd Hand Brake Adjusting Tool, places tension on brake arms, holding pads to rims while you adjust cable slack. Essential for proper brake work.
DC-3H $1.10



PT-4H $4.70

Fourth Hand Brake Tool, for centerpull brakes.



BIKE STORAGE HOOKS, hang your bike by the rims, up out of the way and out of the reach of children. Vinyl coated to prevent scratching. ¼" thick.
AG-SH $1.35 pr.

tools



Universal Adjustable cup Spanner, AA-UCS $5.50

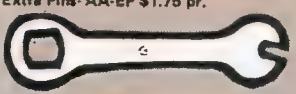
Extra Pins- AA-EP $1.75 pr.



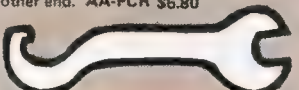
Artisan Crank Bolt Socket Wrench, Specify:
AA-CB-14, 14mm for DA, SR, Nervar, Maxy, Apex- $2.80
AA-CB-15, 15mm for Campy, Sugino, Mighty, TA- $2.80
AA-CB-16, 16mm for Zeus, Stronglite- $2.80



Adjustable Cup Spanner, fits Campy, DA, Sugino and 32mm Headset. AA-ACS $7.80
Extra Pins- AA-EP $1.75 pr.

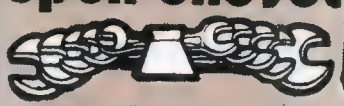


Fixed Cup Remover on one end fits Campy, DA, Sugino, etc. 15mm Pedal Wrench on other end. AA-FCR $6.80



Lock Ring Spanner, fits all notched lock rings and 32mm Headset. AA-1LR $6.50
Campy 3-Prong, AA-3LR $6.60

open-end set

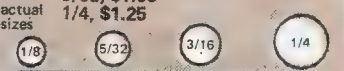


5-Pc. Open-End Wrench Set, drop forged. 8-9, 10-11, 12-13, 14-15, 16-17mm. With clamp. Guaranteed for life. FE-OES $3.95

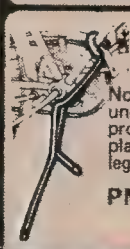
BEARINGS

Ball Bearings, chrome steel bearings, High-Grade. Come 100 to a bag. Specify Use or Size - 1/8", 5/32", 3/16", 1/4"
RT-X 1/8, 93¢
3/16, 93¢
5/32, $1.05
1/4, $1.25

actual sizes



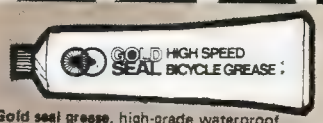
Bearing	Use
1/8"	Freewheels
5/32"	Pedals, Headsets
3/16"	Campy Road Headset, Front Hubs
1/4"	Rear Hubs, B.B.



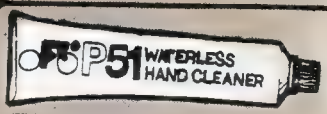
PERSONS NO. 8 Display/Tuning Stand

Nothing to adjust, slips under bike. Plastic cover protects downtube. Chrome plated with rubber tipped legs.

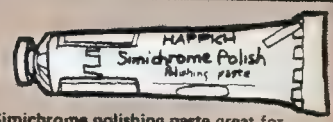
PM-N8 $4.50 ea.
3/$11.00



Gold seal grease, high-grade waterproof bicycle grease especially prepared for: head bearings, hubs, forks, cranks, & pedals. Protects against wear and corrosion.
2 oz. tube only PA-GS 75¢ ea., 12/$8.10



P51 waterless hand cleaner for bicyclists removes grease, rim cement, etc. Including ski wax. Unbreakable 2 oz. tube-carry with you to use after you have to replace your chain. Rub on, then wipe off with a rag.
No water needed. PA-P51 85¢ ea. 3/$2.25
12/$8.40



Simichrome polishing paste great for buffing aluminum and chrome. Also can be used to polish bearing races, 2oz.
CP-SCP $2.75

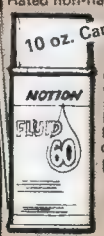
care



Product 1900 Clear Corrosion Preventive Compound, outstanding moisture displacing properties, including sea water. Provides maximum resistance to corrosion in the severest environments. Dries to a clear, tough, flexible film-won't collect dust or dirt. Meets the most stringent specifications. Not intended for use on moving parts which require a lubricated surface.
PC-CC $6.75



300 Synthetic Lubricant, contains no petroleum, petroleum distillates, wax, silicones, graphite or molybdenum disulfide. Will not draw dust, dirt or moisture. Penetrates metal pores. Less need be used. Stops rust. Makes an excellent chain lube. Moving parts become highly polished. Rated non-flammable. PC-SL $3.75



Motion Fluid 60, multi-purpose lubricant. Penetrates better. Also cleans, displaces moisture, and prevents corrosion. Effective on all moving parts of a bicycle. Never becomes dry, brittle or hard. Eliminates squeaks, frees up locks & cables. Rated non-flammable.
PC-M60 $3.75



Tubular Rim Glue Remover, most cements are removed from rims in less than 10 minutes. Lower in toxicity. Removes decals in seconds. Removes tar from bicycle frames-harmless to most paints. Cleans rims and spokes-harmless to tires. Use paper towels for cleaning. Rated non-flammable. Comes with brush in the cap.
PC-GR $3.75



Petrochem SPCK, Spark Plug Contact & Chain Clean, Effectively cleans all metals fast and easy. Great for cleaning those grimy bicycle chains. Rapid evaporation. No after deposits. Non conductive. Non-flammable. Also cleans plugs, distributors, contact point, etc.
PC-SPC $3.70

"Your service is always prompt and courteous" P.S., Loomis, CA

we try to ship same day

BELT BEACON

$11.95 Value



M3B Touring Belt Beacon, offers the biker a distinct safety advantage. Upgraded with carefully selected transistors, special lamp and an optimized solid state oscillator which conserves battery up to 100 times longer than a continuous light. Belt lip and hardware attaches to belt, bag, pack, clothing, anywhere. Ideal for biking, walking, jogging, traffic work, location beacon. White case with amber fresnal-type lens which magnifys the flash. Flash is also visible from sides. Weight: 3½ oz with battery. 3½" dia. x 2¼". U.S.A. made. **Either 40 or 60 Flashes Per Minute (Specify) Comes with an Extra Bulb.**

AM-B40 40 flash, **$9.95** (No Battery incl.)
AM-EB Eveready Battery Twin-Pak, **$1.49**

AM-B60 60 flash, **$9.95** (Battery below)
AM-AB Alkaline Battery, **$2.50 each**

"CATEYE-VELO" CYCLOCOMPUTER

CATEYE



Micro-Computer incorporated Digital Display Meter

Up to 1 Year Use without changing cells

Digital Display (6 Functions by pressing Mode Button)

Scan- continually gives Distance, Speed & Elapsed Time

MODE enables you to manually select one of above functions

RESET resets everything except Odometer back to 0

Compact Meter Body instantly mounted or detached

No friction while riding due to no contact sensor.

Bar Graph displays Current Speed in Miles Per Hour

Digital Display of Miles and Miles Per Hour

6 Function Measurable-Integrated Distance Ever Travelled (Odometer), Individual Travel Distance, Current Speed, Elapsed Time, Average Speed, Maximum Speed

START/STOP stops the action without resetting during breaks in cycling

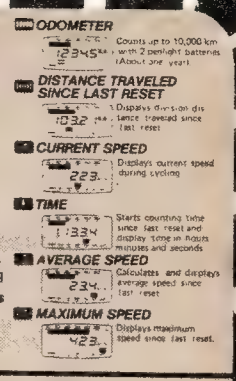
Switchable to all 20-28" (700c) Wheels

Includes Sensor/Bracket Set and Sensor Ring Set, plus all hardware

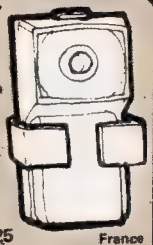
Comes with soft leatherette case

CE-VC Complete Set, $42.90

Size: 2¾" x 3"
Color: Anthracite



HEADLIGHT & TAILIGHT



White weather and impact-proof plastic-no corrosion, no rust. Lightweight, easily removable. Meets all safety requirements. Battery included. The tailight is the same but with a re plastic case & red lens. **Specify:**
WL-HL Headlight, **$5.25**
WL-TL Tailight, **$5.25**

France



Wonder Electronic Battery, long life. Specially-formulated carbon/zinc battery can last up to 3 times as long as conventional batteries.
WL-EB $1.99

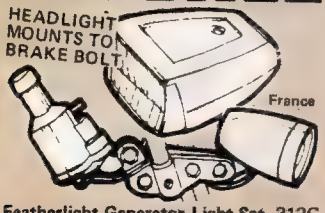


ARM AND LEG LIGHT

CyclePro, white, lightweight plastic w/ strap. White front lens/Red rear lens. Attach to leg, arm or bike. Uses 2 C-cell batteries. Taiwan.
CP-LL $1.85

SOUBITEZ

HEADLIGHT MOUNTS TO BRAKE BOLT



France

Featherlight Generator Light Set, 312G. Headlamp, tailight and generator all have black finish cases. **SO-G $10.90**

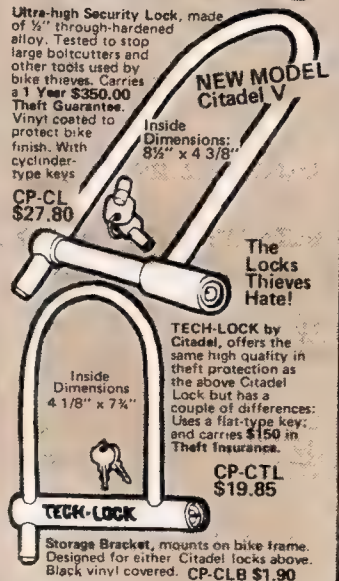
Flickstand



Simple in itself, once engaged it turns a bicycle into a rigid panel so it can be leaned against any stationary object. No more turning front tire to make the bike unstable and possibly fall causing dents & scratches. The plastic mount is moulded in super-tough Dupont Zytel ST, a non-abrasive, non-corrosive material. The hardware is stainless steel and nickle-plated brass. Weight: 26G.

RH-FS $3.89

Citadel

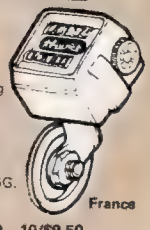


Ultra-high Security Lock, made of ½" through-hardened alloy. Tested to stop large boltcutters and other tools used by bike thieves. Carries a **1 Year $350.00 Theft Guarantee.** Vinyl coated to protect bike finish. With cylinder-type keys.
CP-CL $27.80

TECH-LOCK by Citadel, offers the same high quality in theft protection as the above Citadel Lock but has a couple of differences: Uses a flat-type key; and carries **$150 in Theft Insurance.**
CP-CTL $19.85

Storage Bracket, mounts on bike frame. Designed for either Citadel locks above. Black vinyl covered. **CP-CLB $1.90**

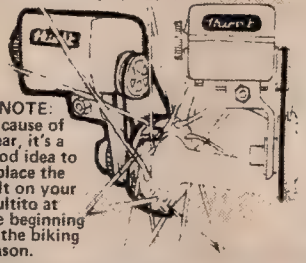
Huret Multito CYCLOMETER



Silent-Running Belt Drive with 2 Odometers- zeroing re-set button trip meter & cumulative total dial. Fits almost all hubs mounts on QR hubs. 26",27" or 700c wheels. Remains affixed to wheel when the wheel is removed from fork. 65.6G.

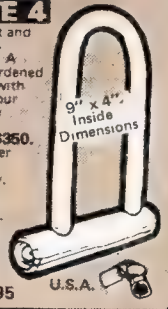
HU-M $8.90, France

*HU-MB Belts- $1.00 ea., 10/$9.50
HU-MP Pulleys-$1.25 ea.



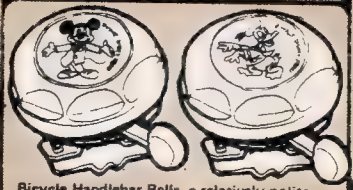
*NOTE: Because of wear, it's a good idea to replace the belt on your Multito at the beginning of the biking season.

KRYPTONITE 4



K4, Kryptonite's newest and toughest lock, combines simplicity with security. A double-locking, fully hardened shackle and bar coated with thick vinyl to protect your bikes' finish. Kryptonite guarantees your bike against theft for up to **$350.** Black, includes 2 cylinder type keys. All for less than an insurance policy.
KR-4 $22.99

Lock Carrying Bracket- durable, holds lock securely in place when not in use.
KR-CB $1.95



Bicycle Handlebar Bells, a relatively polite method of warning others of your approach.
CP-DB Disney Characters Bell, **$1.49**

Fanny Bumper

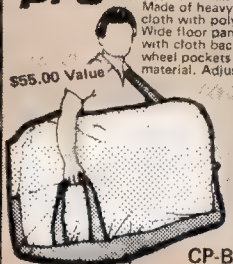
Registered Trademark of Columbus AVH



Fanny Bumper, high-visibility fluorescent orange nylon is perforated for ventilation. Reflective triangle border is stitched around the edge. Stiffeners sewn in between the nylon and border keeps the fanny bumper flat. 2 metal grommets hold the tie string and keeps the material from stretching or tearing. Bike Warehouse logo printed on the front.
BW-FB $3.95

Cycle pro

$55.00 Value



Bicycle Travel Bag, "The Cycle Pro bag rewards the cyclist who wants to pack a bike more carefully with a more compact & easy-to-handle package." 'Bicycling' May 1981 Made of heavy-duty nylon pack cloth with polyurethane coat. Wide floor panel is heavy vinyl with cloth backing. 2 inside wheel pockets are the same material. Adjustable, padded shoulder strap. 62" YKK nylon zippered top closure. Small inside pocket for tools or misc. items. Reinforced at stress points for fork and axle. Fits all bikes. Weight. 3lb.,½oz.
CP-BTB $44.80

SUPER SOUND

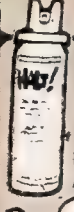
U.S.A.



Bike Air Horn, extremely loud. For use in traffic and against dogs. Lightweight plastic. Up to 200 blasts.
FC-SS $4.25

Refills, pak of 2,
FC-R $4.25

Handlebar or Stem Mount Clamp, vinyl coated
Also works with HALT
FC-HC $1.90



U.S.A.

HALT!

Cannot be Shipped Out of the Country !

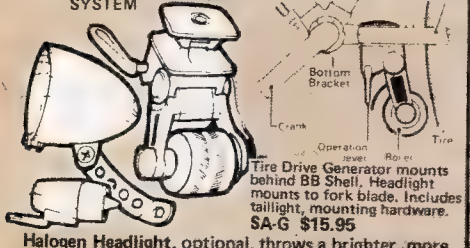
Perfect for curbing dogs. Works up to 10 feet away. Clips on belt or handlebar bag. **Large.**
AR-H $2.60 ea., 10/$9.00



Halt Clip, of lightweight plastic attaches to handlebars. Holds Halt secure within easy and quick reach.
AR-C $1.40

SANYO DYNAPOWER

GENERATOR LIGHT SYSTEM



Tire Drive Generator mounts behind BB Shell. Headlight mounts to fork blade. Includes taillight, mounting hardware.
SA-G $15.95

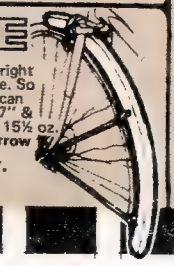
Halogen Headlight, optional, throws a brighter, more powerful light than standard lamp, **SA-HL $14.40**



cablecraft

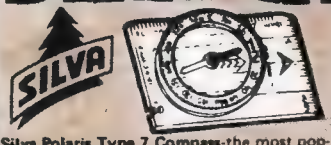
Castle Model 30450 Security Cable and Lock, self-coiling 6 ft. cable, 5/16" diameter. 44mm key lock w/hardened shackles & brass cylinders.
CF-S $5.50

NEW ESGE



Chromaplast Fenders, bright chrome plate appearance. So flexible that the fender can be tied in a knot. Fits 27" & 700c. Approx. Weight: 15½ oz.
2 Sizes: Standard or Narrow
ES-F-X $13.90 pr.

BIKE CAMPING



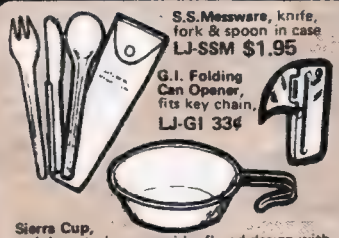
Silva Polaris Type 7 Compass-the most popular model for biking. Transparent plastic housing & base for easy map reading. Jeweled needle bearing, liquid filled needle housing for extreme accuracy. Base features inch and millimeter scale. Size 2" x 3" x 3/8" U.S.A. **SK-T7 $12.40**



Silva Type 23 Compass, a super compact model for convenient multipurpose use. Pin-on design allows biker to keep both hands on the handlebars. It can also be conveniently carried in pants or shirt pocket. Silva quality construction with rugged metal base plate & easy-to-read balack degree ring. Liquid filled & transparent for map use. Base plate folds over for use as a sun watch. ¾oz., 2" x 1½"closed. **SK-23 $20.90**

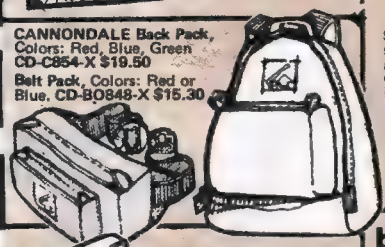


Cooking on the Road, a complete guide to one-burner cooking. Covers the specially prepackaged foods as well as unconventional places to find foodstuffs. Ten chapters of recipes cover breakfast, lunch, dinner, snacks and vegetarian cooking. By John Rakowski. 1980. 202 pg. **BO-CR $4.85**



S.S.Messware, knife, fork & spoon in case **LJ-SSM $1.95**

G.I. Folding Can Opener, fits key chain, **LJ-GI 33¢**



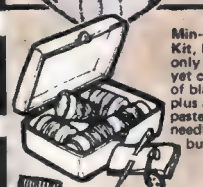
CANNONDALE Back Pack, Colors: Red, Blue, Green **CD-C854-X $19.50**

Belt Pack, Colors: Red or Blue. **CD-B0848-X $15.30**

Sierra Cup, stainless steel cup, a wide, flared design with a wire handle. Neither the rim or the handle will become too hot to hold if a hot liquid is used. 2.5 oz. **TX-SC $1.80**



Waterproof Matchbox, rustproof plastic, air-tight rubber seal keeps matches dry and safe. Convenient striking surface. **TX-WP 59¢**



Min-Sewing Kit, handy plastic box is only 2¼ x 1 5/8 x 7/8" yet contains: 10 yds. each of black and white threads plus a roll with 6 different pastel colors, thimble, needle, safety pin, spare button. **GW-MS 95¢**

NEW



Travel Toothbrush Kit, quality toothbrush folds to fit into handy plastic carrying case. Comes with ½ oz. tube of fluoride toothpaste. **GW-TB $3.25**

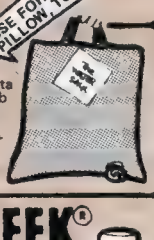
basic designs inc.



The SUNSHOWER, now have a hot shower anywhere. Holds 2½ gallons of water-enough for 2 showers. Fill with water & place on a flat surface with clear side exposed to direct sunlight. In 3 hours its ready. Features on/off control, shower head & a heat sensor which visually tells the water temperature by changing color. Weight: 12 oz. (empty) **BD-SS $12.40**



Pocket-Size Hammock, of sturdy nylon, full 20' x 7' size, rolls up into a fist-size ball. Can be carried anywhere. Supports ¼ ton. Shapes itself around the contours of your body. Can also be used as an emergency rope, stretcher, netting, animal snare, dunk bag, off-the-ground storage, etc. **TX-PH $4.80**



Water Sack, lightweight, collapsible 2-gallon container. The outer sack is tough Taffeta with a 10" bartacked web handle. The replacable inner bag is double thick polyethylene with a leak-proof rubber spigot. **GW-WS $5.85**

TEXSPORT

NEW



TX-MK $4.72

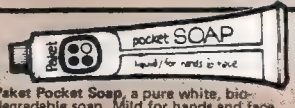
Camp and Mess Kit, polished heavy-duty aluminum. 5 pieces include nesting pot, pan, cup, pail and lid. Folds compactly & detachable handle locks set when nested. Approx. 20 oz.

KAMP-ZEEK®



Candle Lantern just the thing for camp light and enough warmth for a tent on a cold night. One half of a pink lady candle is spring fed into a constant height, dripless collar. Burns 3 to 4 hours. (up to 8 hr. per full candle.) Has Pyrex glass heat shield. Comes loaded with candle **GW-CL $10.85**

Long Burning Candles, (cut in half to fit lantern.) 5¾" x ¾" **12 Full Candles** (72 to 96 hrs.), **GW-PC $2.25**



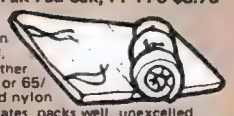
Paket Pocket Soap, a pure white, bio-degradable soap. Mild for hands and face, also for shaving. No-leak, reclosable, floating tube. 50 to 60 washings. 21.3G. **PA-PS 2 for 95¢**

Pak Foam Products

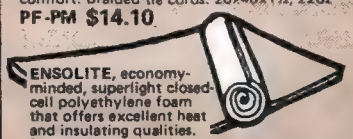


Pak Pad, Thick, convoluted foam pad. Poly-wrapped with brightly colored vinyl coated ground cover. Sewn-in tie cords. 20x54x2½, 23oz. **PF-PP $10.90**

Pak Pad Sak, PF-PPS $3.75



Pak Mat, Open cell foam pad. Covered in either coated nylon or 65/35 top, coated nylon bottom. Insulates, packs well, unexcelled comfort. Braided tie cords. 20x48x1½, 22oz **PF-PM $14.10**



ENSOLITE, economy-minded, superlight closed-cell polyethylene foam that offers excellent heat and insulating qualities. Non-moisture absorbant. Flexible at low temperatures. 12 oz. 21"x 56"x 3/8" **PF-ES $7.90**



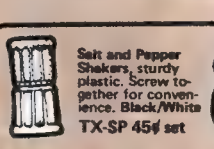
Silver Lining, sleeping bag liner. Unusual non-woven nylon fabric is only 3 oz., light as air. Compact. Can't mildew. Gossamer smooth & pleasent to lie in. Machine washable & dryable. Breathable. 36x80", Non-flammable. **PF-SL $3.95**

Quality Stuff Saks, carry and store, stuff saks keep your things dry. Or they keep wet things (towels, bathing suits, etc) away from what should not get wet. Stuff Sak is made of tough urethane coated nylon. Its one-piece construction is water-proof. At the opening a large cover flap and strong square-braided nylon tie cord are sewn-in. A built-in bottom grip makes handling easy. 6 sizes.

PF-SS-X

8x5" $1.79
11x6" $1.97
15x7" $2.38
18x8" $3.30
21x10" $4.10
24x12" $4.60





Salt and Pepper Shakers, sturdy plastic. Screw together for convenience. **Black/White** **TX-SP 45¢ set**



Soap Dish, long-lasting plastic container holds your bar of soap during use and then handily stores it between use. **TX-SD 46¢**

PEAK 1



Bike Packing Stove, fold out legs, no priming, quiet, wind resistant, fully adjustable. White gas fuel boils 1 quart of water in 3 min. 45 sec. Wide open burn time of 1 hr. 15 min. Simmer time of 3 hrs. 30 min. Fuel capacity: 10 fl.oz. Weight w/full fuel: 39.5 oz. Empty weight: 28.5 oz. 6 1/16"x 4 5/8" BTU rating of 8500 BTUH **CM-S $35.80**



Coleman Aluminum Stove Container/Cook Kit, 10.2oz. **CM-SC $10.80**



TX-BC-X
Bungie Cords, elastic with plastic-coated hooks. Assorted colors. 3/8" dia. **12"/40¢ ea., 18"/50¢ ea., 24"/60¢ ea.**

Companion™ Pour Spout

for use with Sigg & MSR fuel bottles.



BW-PS $2.40

△ TEXSPORT

NEW



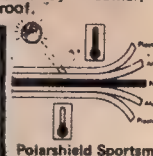
Lashing Straps, black nylon webbing, non-slip buckles. ¾" wide x 4 ft. long. **TX-LS 95¢ each**



TX-PEB $3.50

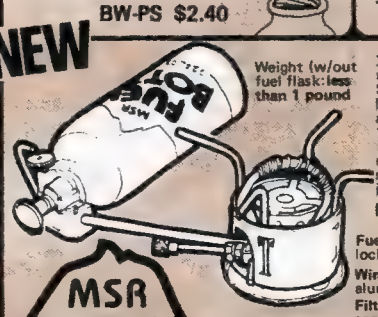
Polarshield Emergency Blanket, superlight and compact (54" x 84" folds to fit in pocket). For all weather emergency protection. Works by reflecting 90% of your body heat back to you or it could reflect the suns heat away. Weather, water and windproof.





Polarshield Sportsman's Blanket, 50"x 82" with grommets to aid in anchoring. Brand developed for U.S. space program. 12 oz. multi-layer. Reflects heat. Use for tent, ground cover, blanket. **TX-SB $8.25**

NEW



Weight (w/out fuel flask) less than 1 pound

X-GK Stove System, Fast & Efficient - boils water in 3½ minutes (no wind). The Integral Sparker means no matches needed. Versatile burns white gas, plus: leaded & unleaded gas, aviation fuel, kerosene, Stoddard Solvent, 1 diesal & 1 stove oil. Stable, Compact and Lightweight - fuel bottle lays on its side for maximum stability; separate fuel bottle from stove for easy packing; no pouring of fuels - just switch pump from empty to fresh flask. **MS-XGK $69.67**

Fuel Bottle, heavy-duty aluminum, cap has a lock-tight rubber gasket, 22 fl.oz., **MS-FF $3.99**

Windscreen/Heat Reflector Set, both of durable aluminum foil, increases efficiency. **MS-RW $2.9**

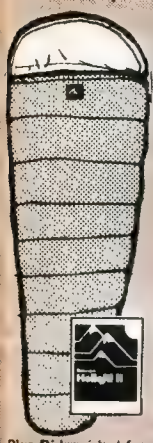
Filter Funnel, keeps sediment, water & other contaminants from fouling stove. **CM-FL $1.99**

"We try to give you fast service." B.A. BGF MN

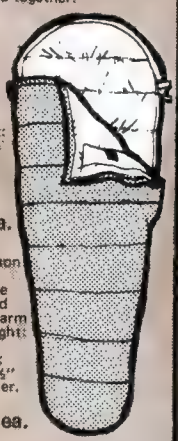
we try to ship same day

cannondale

MADE IN U.S.A.—Lifetime Guarantee Against Defects in Materials and Workmanship.



Sleeping Bags, modified mummies designed to contour to your body for maximum heat retention & less bulk & weight. 1.9oz ripstop nylon outer shell. Softer nylon taffeta inner shell.Both water-repellent. Dacron Hollofil II filling. Triple-layer sandwich construction & differential cut of inner & outer shells give the bags uniform loft & eliminates coldspots. Special Features: **Draft Tubes** circle the bag to form collars which draw snug around your neck; **Hood** can be drawn up around your head; **2-Way Seperating Zipper System** to ventilate from top or bottom; **Right or Left** zippered bags can be zipp-ered together.



Blue Ridge, ideal for bicycle touring & warm weather camping. 25° Rating. Very lightweight: 3lb.8oz. Compacts into a 8¼ x 12¼" sack. Fill Weight: 2lb. Loft: 4" Length: 83" **Specify Right or Left**
CD-S804-X $89.50 ea.

Chesapeake, our most popular. Excellent 3-season bag can be adapted to extreme cold weather use by the addition of a good ground pad & wearing warm clothing. 5° Rating. Weight: 4lb.14oz. Loft: 6" Fill Weight: 3lb.4oz. Length: 83". Includes 10¼ x 16½" stuffsack. Can zip together. **Specify Right or Left**
CD-S806-X $118.90 ea.

NEW

Black ICE



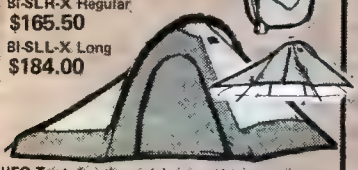
Starlight Sleeping Bag, for those who require a 3-season bag that will squeeze into the smallest possible place and weigh next to nothing. Special Features: Double YKK Zipper System, Chevron Baffling, Down-filled Collar, 2 zippered Chest Pockets, Pillow Pocket on the hood, Differential Baffle Depth & Fill, Differential Cut, Triple Chamber Foot Section for more feet room, Super Silk Nylon interior and exterior for light weight and comfort. Avg. Min. Temp: 20°F Fill Type: Goose Down. **2 Sizes: Regular,** fits to 5'11" 2 lbs.12 oz. **Long,** fits to 6'4", 2 lbs.15 oz.

GOOSE-DOWN

Specify: Right or Left Zipper

BI-SLR-X Regular $165.50

BI-SLL-X Long $184.00



UFO Tent, for the weight conscious tourer. Highest room to weight efficiency of any 2 Person tents. Easy set-up due to its integral rear poles-just slide the poles through the front sleeves and stake the corners. Tight catenary cut for less wind resistance. Other Features: YKK Coil Zippers, Interior Pocket, Nylon-reinforced corners and stress points, Mosquito Net Door and Skylight Panel, Guy Lines with Auto-Tension Adjustors, Fire Retardant Materials. Includes Stuff Sack, Aluminum Poles, Fly, Stakes, Guy Lines. 96" L x 64"W x 40"H Weight: 4 lbs.

BI-UFO $154.00

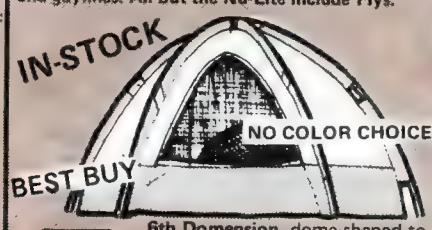
Eureka!

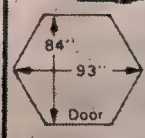
WITH FULL LIFETIME GUARANTEE

Some Tents are Drop-Shipped & Delivery takes approximately 14 Days

Eureka Quality Tents—walls are constructed of fire-retardant 1.9 oz. breathable rip-stop nylon, with Uretahne-coated floor and fly. All seams are double-sewn with rot-resistant cotton-wrapped polycore thread. Zippers are nylon self-healers. All tents have large inside-opening rear windows. Tents come complete with all bags, steel stakes and guylines. **All but the Nu-Lite include Flys.**

IN-STOCK

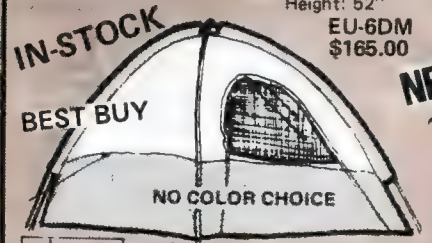


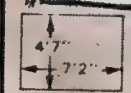


6th Domension, dome-shaped to provide more usable space. Hexagonal floor design. Support frame consists of solid fiberglass rods. Features Eureka's new "Twin Track" door. Large rear window. Weight: 6 lbs.11 oz. Height: 52"

EU-6DM $165.00

IN-STOCK

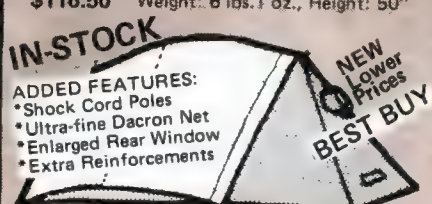




Domension, compact version of the 6th Domension. Same features but has a rectangular floor design making it lighter and smaller. The dome-shape still boasts ample headroom. Weight: 6 lbs.1 oz., Height: 50"

EU-DM $116.50

IN-STOCK



ADDED FEATURES:
- Shock Cord Poles
- Ultra-fine Dacron Net
- Enlarged Rear Window
- Extra Reinforcements

Shown with optional vestibule

EU-TL-X Timberline, an external frame tent that is completely self-supporting and can be erected on stone or frozen ground. Fly pull-outs can be used. A-type door. **2 Sizes:**
2-Man, 5'3"x 7'2"x 42"; 7lb.,14oz., $119.90
4-Man, 7'2"x 8'9"x 58"; 9lb.,14oz., $159.50
Specify Color: Green/Sandstone or Caramel/Sandstone

EU-TLV-X Timberline Vestibule, shown above. Increase floor space by keeping your gear in the floorless vestibule. Also great for cooking and wind protection. Fits to Timberline entrance, has vent tube and zippered flap door. **Specify Color: Sandstone or Green. 2-Man,** 10½ sq.ft.; 1 lb., $38.50
4-Man, 14 sq.ft.; 1lb. 5oz., $42.50

NEW



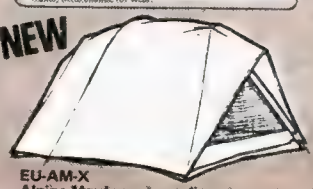
EU-TL2-X
Timberline 2-Door, identical to the Timberline single-door but with a front & a rear entrance. Uses the Vestibule above (use 2 for the maximum in roominess). **Specify Color: Green/Sandstone or Caramel/Sandstone. 2-Man,$135.00**
4-Man,$184.50

Eureka Features

STANDARD ON MOST EUREKA TENTS

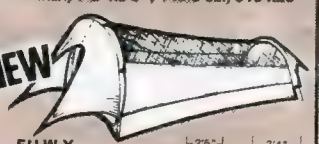
A Self-healing, freeze resistant nylon zippers
B Storage pockets to keep breakables safe
C Lap felled seams, rot-resistant polycore thread, double stitched
D Reinforcement at all stress points
E Frame members are shock corded. Seamless aluminum tubing
F Extra fine no see-um netting
G Shock cords attach flys to tents easily
H Shock corded eave suspensions give w. the wind
I Clothesline rings for indoor drying
J Packed in water resistant carrying bag
K Wrap-around floor, reinforced at stress points
L Unique ring and pin assembly attaches tent to frame, little chance for wear.

NEW

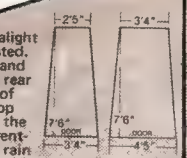


EU-AM-X
Alpine Meadows, large diameter center hoop increases headroom and volume. Utilizes a shock-corded compression arch frame of seamless aluminum. Ring and pin assemblies, together with shock-cord loops, join the tent to the frame. Side-opening twin track door. Large rear and door windows of no-see-um netting. Hooded overall fly shields the door and window from sun and rain. Interior storage pockets & clothesline rings. 1.9 oz. breathable ripstop roof; and floor & fly in 1.9 oz. K-Kote ripstop.
Colors: Royal Blue/Sandstone with Silver Grey Fly; or Green/Sandstone with Pearl Grey Fly
2-Man, 5'3"x7'2", 1 lb., $141.50
4-Man, 7'2"x8'9", 1 lb.5 oz., $184.20

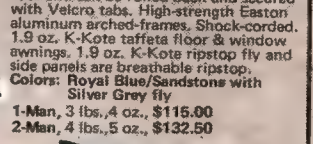
NEW



EU-W-X
Wisp I & II, ultralight and ultra-ventilated. No-see-um roof and netted door and rear window. Panels of breathable ripstop line each side of the roof for added ventilation. Exterior rain hoods so door and windows can remain partially open during inclement weather. Attached rain fly extends over the netted roof and can be rolled back and secured with Velcro tabs. High-strength Easton aluminum arched-frames. Shock-corded. 1.9 oz. K-Kote taffeta floor & window awnings. 1.9 oz. K-Kote ripstop fly and side panels are breathable ripstop.



Colors: Royal Blue/Sandstone with Silver Grey fly
1-Man, 3 lbs.,4 oz., $115.00
2-Man, 4 lbs.,5 oz., $132.50



EU-NL Nu-Lite, Eureka's most economical 2-man. Flame retardant taffeta. Net door. No fly. 5'x7'4", 4 lb., 10 oz.

TEXSPORT

NEW

IN-STOCK

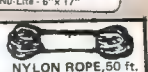


Nylon Tent, flame retardant rip-stop nylon. Lightweight-only 50 oz. Rear zippered window with storm flap. Zippered front nylon mesh screen door w/ flap. Nylon floor. Zipper snake band. Complete with ropes, stakes and aluminum poles. Nylon water repellent carry bag. 2-Man Size 5'x7'x3'6"
Color: Rust
TX-NT $29.90 **Only 4 lb.,4 oz.**

Specification	FOLD SIZE
Timberline, 2-Man	6" x 24"
4-Man	7" x 24"
Alpine Meadows, 2	7" x 26"
4	8" x 26"
6th Domension - 7" x 30"	
Domension - 6" x 30"	
Wisp I - 5" x 18"	
Wisp II - 7" x 18"	
Nu-Lite - 6" x 17"	

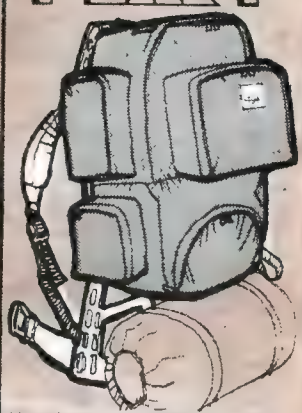


TENT STAKES, steel 7"x ¼", set of 6
EU-PT 80¢ set



NYLON ROPE, 50 ft. 500 lb. test
TX-NR 88¢

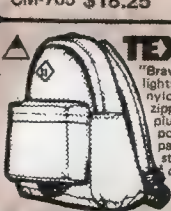
Coleman PEAK 1™



Model 785 Front-Load Backpack, of urethane-coated Cordura nylon. The large upper compartment features a full drop-down double-zippered opening for easy access top to bottom. The lower compartment is also front-loading with a curved drop-down opening. Compressor straps are standard to snug the less-than-full load down. There's a generous outside compartment for stowing things you may want to get to in a hurry. Plus, 4 outside pockets, 5 leather lash patches (2 are extra-large), and an axe loop. Load control straps and padded waist belt with quick-release buckle.
Royal Blue. Weight: 71 oz.
Total Capacity: 3350 cu.in.
22¼"L x 15½"W x 8"D
Frame: External RAM-FLX
CM-765 $93.88



Model 705 Day Pack, great for day hikers, cycling, photography, skiing or school. There's plenty of room with a 809cu.in. inside compartment. Access is through a double-nylon zipper. One outside compartment has a 131 cu.in. capacity. The pack is made of 600 Denier Cordura nylon. Features a haul strap and padded shoulder straps. The tapered design positions the pack between the shoulder blades and low on the back for the most stable carrying position. It also allows free arm movement. **Royal Blue.**
14¾"Lx 13"Wx 5¾"D. Weight: 11oz.
CM-705 $18.25



TEXSPORT

"Bravo" Nylon Day Pack, lightweight, durable nylon. Large main zippered compartment, plus zippered outside pocket. Adjustable padded shoulder straps. Assorted colors. 18"x12"x8"
TX-DP $6.95

"Thank you again for your prompt assistance." D.B.

new balance



New Balance Rainier Hiking Boot, a world-class hiking boot designed with assistance from mountaineer Lou Whittaker. It incorporates the lightness and support of the New Balance running shoes & offers a firm foundation for those who often walk on shaky ground. A lightweight 500 denier **cordura upper** coated with polyurethane resists water and abrasion. A **Vibram** carbon rubber flat-head pyramid outersole rejects dirt and mud and offers unsurpassed durability & stability. An EVA **midsole/wedge** provides shock weakening and lateral motion support. Plus, there's a **PE running shoe insert.**
Sizes: (D width) 6 - 13 (in half sizes)
NB-R-X $70.80 pr. $75.00 Value



New Balance Lite Hike Trail Moccasin, designed for the hiker who prefers the trails of Appalachia to the peaks of Annapuma. Features a patented saddle design for superior support and fit. Molded heel counter and EVA wedge for improved cushioning and stability. Exclusive Vibram lug outersole made of Morflex for the same lightness, traction and durability found in popular New Balance running shoes. And a double-density PE insert makes it feel like a running shoe.
Color: Brown leather
Sizes: (D width) 6 - 13 (in half sizes)
NB-LH-X $57.90 pr. $62.95 Value

bike CLUBhouse



Generally this column is dedicated to bike clubs and the people involved with them. But this time I would like to bring to your attention an organization geared toward bicyclists and other outdoor sports on the move, the AMERICAN YOUTH HOSTELS. This organization is part of the International Youth Federation which consists of members in 50 countries.

Each country has it's own "National Organization" made up of area councils. Since these councils are the foundation, it is important to be acquainted with them. To do this I will highlight one of these councils located in the United States-the Pittsburgh AYH.

First a little about the youth hostel movement. It originated in Germany in 1909 by a school teacher, Richard Schirrmann, who enjoyed taking his students on hiking trips. To enable the group to take longer trips he arranged for the students to stay overnight in barns, houses, schools, or wherever possible. The movement spread so that today, HOSTELS are available throughout much of the world.

The purpose of the youth hostel movement today is the same as it was when Richard Schirrmann founded it. All Youth Organizations are nonprofit, nonsectarian, nonpolitical, and are open to all, they must be open to those of very limited means. Do not let the term Youth mislead you. Today, most councils include members of all ages.

Today, many people all over the world are enjoying the benifits of being a member of the movement. They are able to travel with very little expense going toward housing, therefore allowing more money to see the sights. Since more and more people are getting involved with AYH more housing is becoming available.

The Pittsburgh council is just one of the hundreds of councils which make up the A.Y.H.. Their weekly meetings are held every Thursday to discuss upcoming trips and activities. Demonstrations, lectures and movies are often scheduled for the members enjoyment. No obligation is placed on members to attend meetings or participate in activities if they choose not to. This gives the council an open relaxed feeling. Besides the weekly meetings, the council holds one business meeting a year. At that time a new "Activities Board" is elected and major programs and business is discussed.

Big on volunteers, they like to think of themselves as a "do it ourselves" organization. This group believes that if a job needs to be done, the members will do it. This policy keeps the cost down because they do not have to hire "outside" workers.

The Pittsburgh council doesn't do "just for itself" it has been very active in Community Service. Foreign visitors have found lodging in members homes, and area hostels. They have been given guided tours of the Pittsburgh area by the members. Youth and church groups and scout troups have had the opportunity to take part in the AYH trips and schools, thereby giving them richer experiences with more opportunities.

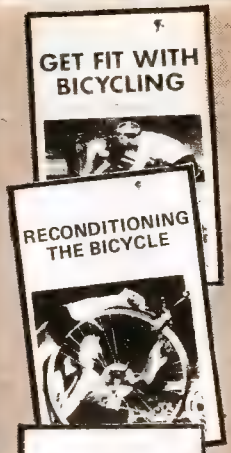
It is understandable that not everyone knows how to ride a bike, maintain it's upkeep or upgrade it's potential. So courses are scheduled for the beginner and independent rider. Courses are also offered on climbing, canoeing, cross-country skiing and other self powered activities.

The council is equipped with some rental equipment if it is needed on Council trips, or if members would like to try a sport before investing in their own equipment.

Many people work hard to make AYH what it is. They don't do this to provide joy rides or guided tours. They like their adventure with a tinge of ruggedness. They all like to have fun on trips, but more than that, they want the trips program to provide meaningful experiences that build skills, ability, character, self-reliance, leadership and an appreciation of the out-of-doors.

For more information on the Pittsburgh AYH write or call (on Thursday evenings only)
Pittsburgh Council, A.Y.H. Inc
6300 Fifth Avenue (at Shady Ave.)
Pittsburgh, Pa. 15232
Tel. 412-362-8181

Our sincere apologizes to the members of the WESTERN PENNSYLVANIA WHEELMEN for the deletion of their club name in our last bike CLUBhouse.



Basic Riding Techniques, provides information on why many people fail to get maximum benefit and pleasure from cycling because they have not mastered some basic techniques. Chapters are devoted to balance, mount and dismount, using gears, pedal cadence, 'ankling', coping with hills, rain cycling, getting down on drop bars and more.
BO-BRT $3.70

Reconditioning the Bicycle, by a veteran bicycle mechanic. A step-by-step guide to overhauling the bicycle. Essentially, the bicycle is stripped to the bare frame & then the book explains disassembly, painting, reassembly and adjustments. Also explained is how to upgrade and lighten an existing bike by replacing wheels, cranksets, chains, derailleurs, pedals, etc.
BO-RTB $3.70

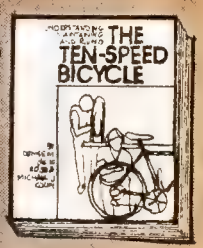
Get Fit With Bicycling, by two Doctors/expert cyclists. Offers precise medical advice about general health, training, nutrition, weight, knee problems, & choosing proper equipment. This book offers an abundance of practical advice on making cycling a safe, beneficial and pleasant way to stay fit.
BO-GFB $3.70

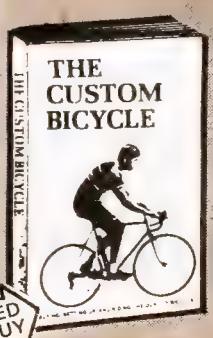


Best Bicycle Tours, made to order for the many cyclists who want specific recommendations about where to go touring or bicycling recreation in general. These road-tested tours contain pointed information on how to get to the touring spot, where to go, what to take, where to stay, and special attractions along the route. Each tour is rated for level of difficulty and traffic conditions. By the Editors of 'Bicycling' Magazine
BO-BBT $3.70

Basic Bicycle Repair, for those people who want to know enough about repair to keep a bike on the road. It explains simply and clearly all major repair problems and provides easy-to-understand, sensible advice on correcting these problems. Chapters are devoted to basic bicycle tools; troubleshooting gears and brakes, chain & cable; basic bike lubrication; tire repair and how to repair a broken spoke. 55 photos and illustrations. This book won't make you a bicycle mechanic, but it will keep your bike on the road. By the Editors of 'Bicycling' Magazine
BO-BBR $3.70

Understanding, Maintaining and Riding THE TEN-SPEED BICYCLE, by Michael J. Lolin and Denise M. de la Rosa. The first work to exclusively devote itself to understanding, adjusting, repairing and riding the ten-speed bicycle. 1979. 296 pg.
BO-TSB $11.50





The Custom Bicycle, buying, setting up and ordering a quality bike. A comprehensive guide to frames, master frame builders. Detailed information on how bikes are built and what to look for when purchasing one. Also designs and component tips from 20 top builders; fitting the bicycle to the rider. 278 pg. 100 photographs and illustrations. By Michael J. Kolin and Denise M. de la Rosa.
BO-TCB $10.50

RECOMMENDED BEST BOOK BUY

"Three gold stars for a great job and keep it up." L.D., Fairview Park, OH

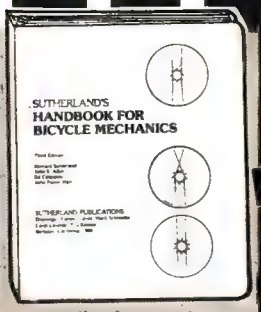
we try to ship same day



The Bicycle Touring Book, the most complete and comprehensive ever published. You'll learn how to pick the right touring bike & components; how to handle the loaded bike on the road; how to maintain and make emergency repairs; how to prepare for a short or long tour- what food and equipment to take, where to stay, what roads to use. Learn to read maps and anticipate weather conditions. Detailed conditioning programs will prepare you physically. This guide helps you campers to select campsites and equipment; advice on cooking and how to bed-down comfortably in all climates. By Tim & Glenda Wilhelm.

BO-BTB $10.50





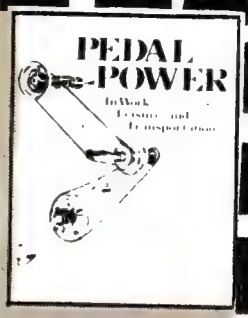
The Bicycle Wheel, for every cyclist, from novice rider to experienced wheel builder. The book is divided into 3 parts: Part 1 explains how and why wheels respond to loads, discusses the merits of different designs & components & what causes various failures; Part 2 gives a step-by-step guide to building wheels using any number of spokes & any pattern for front or rear wheels; Part 3 contains test results & formula for computing spoke length & other wheel dimensions. Fully illustrated. 1981. 140 pg. By Jobst Brandt. Published by Avocet, Inc.

BO-TBW $7.80



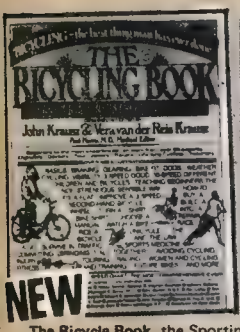
NEW Campagnolo Catalog, details, photographs, statistics and exploded views of main components, complete groupos, complete tool cases, single tools, special tools, accessories, promotional items. From the exclusive official supplier of technical assistance to the cycling events of the 1984 Olympics. 48 pg.

BO-CC $4.50



Pedal Power, explores the human potential inherent in the use of the bicycle for work. It also suggests many tasks which can effectively be done with pedal devices. One chapter gives a detailed account of the "Rodale Energy Cycle" not only a description, but also a complete set of building instructions is provided. The author also suggests a score of ways the energy cycle can be used around the house, garden, farm. 1977. 133 pg. Edited by James C. McCullagh.

BO-PP $8.50



The Bicycle Book, the Sporting, Recreational and Transportation aspects. The most comprehensive & authoritative guide on the art of cycling. Concentrates on 2 areas: Riding as a learned skill; & bicycling from a sports medicine view. Articles from over 60 experts: touring, buying, repairing, dogs, commuting, storage, health, philosophy, safety, frames, medicine, children's cycling, women, weather, antique bikes, clothing, geriatric cycling, manhole covers, much more. Over 400 photos and illustrations. 8¼x 11. 280 pg. 1982. By John & Vera Krausz; Paul Harris, M.D., Medical Editor.

BO-TBB $10.75



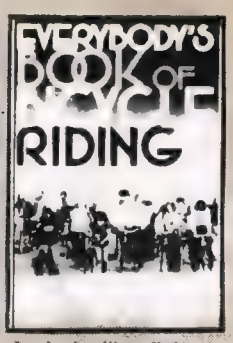
The American Biking Atlas and Touring Guide, how to get started plus 150 vacation and weekend tours throughout all 50 states and Canada. Easy-to-follow 2-color maps, detail the main tour and side excursions with points of interest, campsites, distances, country stores and bike shops. 320 perforated pages. 1974 by Sue Browder. 8"x 11"

BO-ABA $5.65



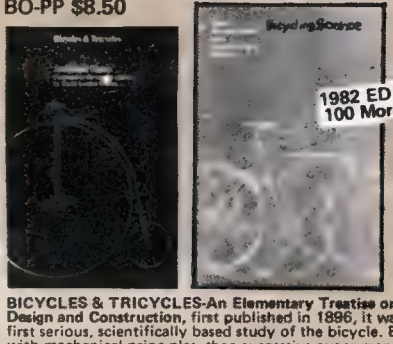
Bicycle Frames-A Close-up Look, detailing all the secrets of making, or choosing, a good frame, but written in a language which avoids unnecessary technical complications. Learn all about the signs of a frames's quality - tubes, lugs, and unusual modifications. A chapter by Colin Laing "What Goes On In A Custom Frame Shop". A directory of U.S. frame builders. 1975. 48 pg. By Joe Kossak- "Bike World" technical editor.

BO-BFC $2.20



Everybody's Book of Bicycle Riding, takes the novice cyclist successfully through all the natural stages of bicycling. Shows how to get the most out of it by emphasizing riding & using rather than repairing a bike. In non-technical terms the author tells how to choose a bike; set up; ride correctly & efficiently; cope with hazards; the first ride; group riding; long touring; all season riding; a bike as a fitness tool; anticipate problems; racing; customizing; clothing. 336 pg. By Thom Lieb

BO-EBBR $9.75



BICYCLES & TRICYCLES-An Elementary Treatise on Their Design and Construction, first published in 1896, it was the first serious, scientifically based study of the bicycle. Beginning with mechanical principles, then successive experiments at design are covered. Various designs are examined for their stability, steering, gearing and resistance properties. Finally a discussion of individual components in detail. A difinitive work in its own time - a collectors item for history buffs as well as bicycle enthusiasts. 536 pg. By Archibold Sharp.

BO-BT $9.50





Food for Fitness, (Diet for cycling) for racer or tourer. Bike riding puts added stress on your body and you need the proper diet to handle this stress. Experts in the field tell you how to acheive an optimal diet in language everyone can understand. Tells you food to take on trips and for races. By Craig Hoyt, Medical Editor of "Bike World" and others. 1975. 144 pg.

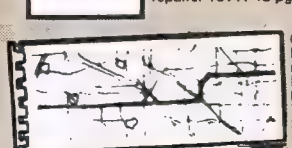
BO-FF $4.50

Cooking on the Road, a complete guide to one-burner cooking. Covers the specially prepackaged foods as well as unconventional places to find foodstuffs. Ten chapters of recipes covering breakfast, lunch, dinner, snacks and vegetarian cooking. 1980. 202 pg. By John Rakowski.

BO-CR $5.70



Building Bicycle Wheels, finally the book every serious biker needs. Author Robert Wright explains how to build your own wheels with or without the aid of a truing stand. From radial to cross-four, anyone can understand this easy method. Karen Lusebrink illustrates every spoke so you can see which spoke is over or under. They also cover components, theories, modifications, troubleshooting and repairs. 1977. 48 pg. **BO-BBW $2.20**



CARDINAL TRAIL Map Booklet, detailed maps of the Cross-Ohio Bikeway extending from Richmond, Ind. to Youngstown, Ohio. Spiral bound, 4"x 8½" to easily fit in a map case. **BO-CT $4.25**



DeLong's Guide to Bicycles & Bicycling, Paperback Edition, the most complete, most accurate, most up-to-date cycling book available. This guide contains virtually everything you might ever want to know about the sport and the equipment. It covers from buying to riding to repairing to storing. The book begins w/ a discussion of the sport, with hints on where to cycle, touring , racing & commuting. Buying information is provided in choosing the right model for you. Comparisons of tubings & frame constructions help you select a model, also. You'll learn how to fit you bike to your dimensions, plus, there's coverage on custom built frames. You're told how to perform your own inspections and minor repairs. Learn all the parts of a bicycle & how they function. Wheel building is given special coverage. All you need to know of the medical aspects, written by an M.D. in the chapter "The Human Engine". Learn to improve your skills, study the weather, clothing to wear, packing for a tour, cycliing with children, how to tandem & much , much more. Fred DeLong is Technical Editor of "American Cycling",American Bicyclist" & "Bicycling" magazines, &Vice-Pres. of the L.A.W.

BO-D $9.75

"A quick note to express my gratitude for the prompt quality service." N.C., Dallas, TX

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

nashbar tour se

From Japan



Old 1982 Model Shown

600 EX TOUR Bicycle, 12 Spd., Champion No. 2 Chrome-moly double-butted Tubing, **Shimano 600 EX equipped:** braze-on Shifters, Front Derailleur, long cage GS Rear Derailleur, normal reach Brakes with recessed Allen Bolts & Drilled Levers with gum rubber Hoods, Quick-release Freehub 13 x 30T Crankset with one-key release/Chainrings 39 x 52T. Seatpost: 26.8 Sakae Custom P5, Saddle: Avocet Mod. 1 **Specify Mens or Womens,** Sakae aluminum Handlebar and Stem, SBI Sealed Headset, Silver/Black Uniglide Chain, SBI 700x28c Tires on Arraya aluminum Rims with Presta Valve Tubes, Black cushion-foam Handlebar Padding, Eyelets on dropouts for fenders or racks, Pro Vic II Pedals. Waterbottle Braze-ons. Angles: 72°. **Color: Candy Apple Blue. Sizes: 19½, 21, 23, 25"**

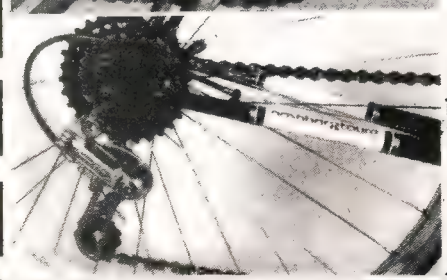
BN-TB-X $335.00 Sugg. Retail $419.95

Shipping: $15.00
INCLUDES COMPLETE SET OF DECALS

NEW '83 Model







nashbar road se

From Japan



Old 1982 Model Shown

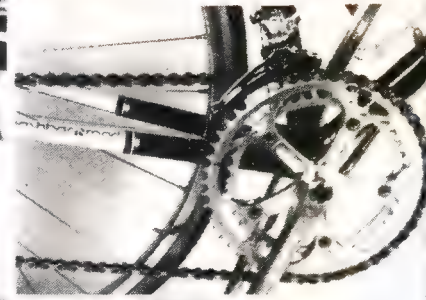
600 EX RACE Bicycle, 12 Spd., Champion No. 2 Chrome-moly double-butted Tubing, **Shimano 600 EX equipped:** braze-on Shifters, Front Derailleur, short cage Rear Derailleur, normal reach Brakes with recessed Allen Bolts, drilled Levers and gum rubber Hoods, Quick-release Freehub 13 x 21T Crankset with one-key release/Chainrings 42 x 52T. Seatpost: 26.8 Sakae Custom P5, Saddle: Avocet Mod. 1 **Specify Mens or Womens,** Sakae aluminum Handlebar and Stem, SBI Sealed Headset, Silver/Black Uniglide Chain, SBI 700x25c Touring Tires on narrow alloy Arraya Rims with Presta Valve Tubes, Black cushion-foam Handlebar Padding, no Eyelets on dropouts, Pro Vic II Pedals, Waterbottle Braze-ons. Angles: 74°. **Color: Candy Apple Red Sizes: 19½, 21, 23, 25"**

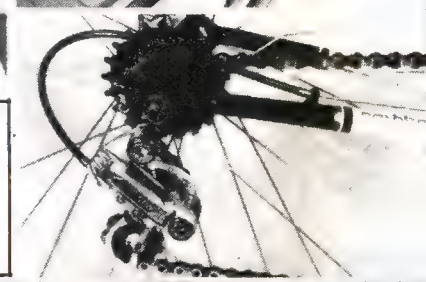
BN-RB-X $335.00 Sugg. Retail $419.95

Shipping: $15.00
INCLUDES COMPLETE SET OF DECALS

NEW '83 Mod







Minor Assembly and Adjustment Required

We are stocking these bikes. Please feel free to stop and inspect them for yourself. We are confident you will agree with us that both versions, Tour and Race, are excellent values for the money. These bikes must be shipped by truck or bus (see below). **FREIGHT CHARGE IS $15.00 anywhere in the Continental U.S.A.** Sorry, No Canada, Alaska or Overseas Shipments.



Frame Specifier

NOTE: SHIPPING OF COMPLETE BICYCLES. We can ship bicycles Greyhound Express which is faster, but the bicycle must be picked up at your local bus terminal. **You also have to give us the location of the bus terminal.** Otherwise, bicycles will be shipped by truck. **Shipping by either method is $15.00**

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

NEW nashbar CE

From Italy



NASHBAR ROAD CE 12-Speed BICYCLE—A hand-crafted Italian racing bike, built by one of Italy's finest frame builders. Equipped with world class Italian componentry for the rider who demands the utmost performance from a bicycle.

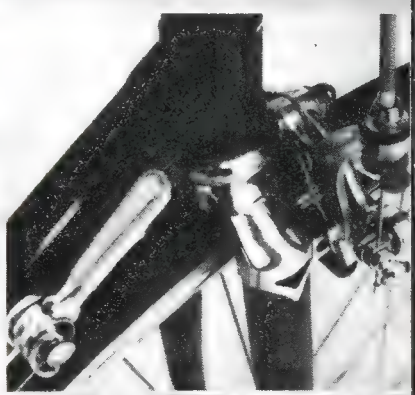
Columbus SL Double-butted Tubing throughout—Beefy Fork Blades, Campagnolo SR Road Dropouts with Chrome Flats, Investment cast full-sloping Fork Crown chrome-plated, Investment cast BB Shell w/ Slotted Cutouts Italian 70mm, 6-Speed Rear Spacing, Long-point Lugs with Cutouts, English Flat Seatstay Attachment.

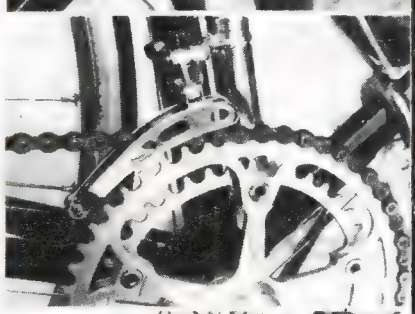
Braze-ons—3 Top Tube Brake Cable Guides, Fork Reinforcements, Shifter Bosses, Downtube Water-bottle Bosses, Underside BB Tunnel Guides, Brake Bridge Reinforcement, Chain Hanger, Underside Chainstay Cable Stop.

Campagnolo Nuovo and Super Record Equipped—Braze-on Downtube Shifters, NR Front Derailleur, NR Rear Derailleur, NR Short Reach Brakes with Recessed Allen Bolt, NR Crankset with SR Chainrings 42-52T, 170mm, NR Road Superleggaro Black Pedals with Steel Clips & Leather Straps, NR Bottom Bracket 70mm Italian, SR Seatpost 27.2, Concor Suede Saddle, 8mm Seatpost Bolt, NR Small Flange Hubset with 36H. Italian, ACI 14g Stainless Straight Gauge Spokes X3, Fiamme Red Label Tubular Rims, Clement Criterium Tubulars, Regina Supercorsa Oro Freewheel 13,14,15,17,19,21T, Regina Supercorsa Oro Chain 3/32, Silca Pump w/ Silca Head, REG Waterbottle Cage (braze-on), Bike Nashbar Waterbottle.

Specifications—Seatpost Diameter: 27.2, Head Tube Angle: 75°, Seat Tube Angle 74-75°, Fork Rake: 1.75", Fork Tube ID: 22.2.

Seat Tube in CM	48	50	54	56	58	60	62
Seat Tube in Inches	19.75	20.50	21.75	22.00	22.87	23.62	24.37
Top Tube in Inches	50	52.7	54.5	55.5	56.5	58.0	58.7
Chainstay Length "	16.00"	16.12"	16.12"	16.12"	16.25"	16.37"	16.37"





Colors: Gloss Black, Flamboyant Red
Sizes: 48,50,54,56,58,60,62cm

BN-CE-X $895.00 Shipping: $15.00

MINOR ASSEMBLY REQUIRED

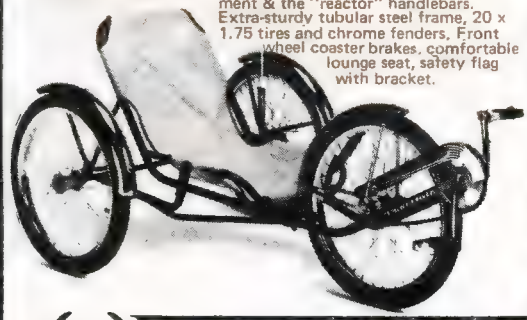


NEW funcycle!™

Pat Pend

Weight: 46 lbs.
Color: Yellow
TM-FC $179.50

A newly created American design for today's cyclist. Challenges the rider on every twist & turn. Responds to the command of the rider's body movement & the "reactor" handlebars. Extra-sturdy tubular steel frame, 20 x 1.75 tires and chrome fenders. Front wheel coaster brakes, comfortable lounge seat, safety flag with bracket.



AVATAR 2000

DESIGNED & BUILT LIKE NO OTHER BICYCLE

SEND S.A.S.E. for a FREE BROCHURE

AV-RB $2099.00 ($546.00 DEPOSIT)
6 Month Delivery

Shown with optional Luggage Rack, AV-LR $47.95
Pannier Adaptor for luggage rack, AV-PA $18.00



ALL SUBJECT TO CHANGE

INFINITY™ ALL ALUMINUM RECUMBENT

Constructed from high-quality aircraft & structural grades of aluminum. Tungston inert gas precision welded. Fully rollerized handlebar for effortless steering. Positive aircraft cable steering is unaffected by rough road conditions. Aluminum turnbuckles provide cable tension & steering alignment. Seat is 100% Dacron with adjustable tension tie wraps. Seat is adjustable front to rear using ball detent pins. **Approx. 4 Week Delivery.**

Infinity Kit: 67" frame, fork, headset, steering cable assembly, handlebars, crankshaft & bearing assembly, finished seat. Satin Silver finish standard. **IF-K $488.30***

Infinity II: 67" 18-speed complete. Lightweight fenders, alloy rims with quick release alloy hubs front & rear. SunTour front & rear derailleurs, foam handlebar grips & roadlite 100psi tire and tube in the rear. **Specify: Red, Black, Blue, Gold** swirled anodized finish
IF-II-X $996.86

*Optional Swirled Anodized finish. **Specify: Red, Blue, Black, Gold**
IF-A X $125.00



Infinity II shown with Optional Blackburn Rack

Jim Blackburn Rack and Adaptor
IF-JBRS Silver Rack, **$27.00**
IF-JBR-X Specify: Black, Red, Blue or Gold, **$35.00**

SAVE 10%—Buy the Infinity Kit IF-K & pick your own components, taking 10% OFF the regular catalog price of each component. NO GROUPOS

HEADSET INSTALLATION AVAILABLE ON MOST FRAMES, **BW-HIL-X $10.00**
Please specify type of brakes that will be used.

STANDARD SHIPPING ON ALL FRAMES

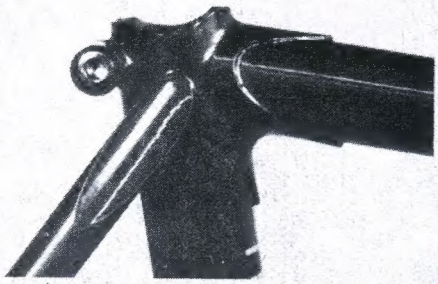
f2

"The quality of parts is always excellent," D.J., San Francisco, CA.

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

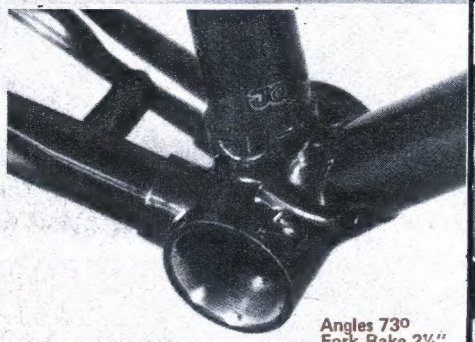
nashbar toure

A Quality-Built, Lightweight SPORT TOURING Frame

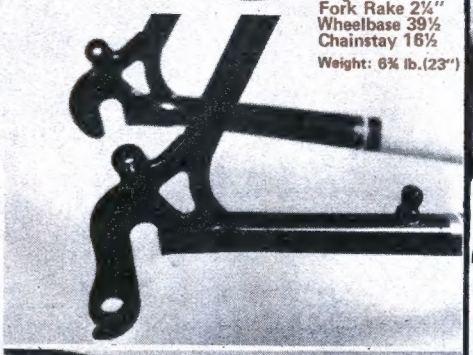


Tange Chrome-Molybdenum Double-Butted Steel Tubing. Hi-tensile Steel Fork. Shimano Vertical Dropouts with Eyelets. S-Lugs. Italian Fluted Seatstay Attachment. Semi-sloping Crown. Seat Post Bolt Included. Braze-ons include: Waterbottle Braze-on Mounts, Bottom Bracket Tunnel Guides, Chainstay Eye, Brake Bridge Reinforcement. English 68mm threaded Bottom Bracket. 26.8 Seatpost Size. Recommended for use with 600EX Freehub, 600EX Headset and 500 Reach Brakes. **Installed 600EX Headset Available-SH-H $16.50**





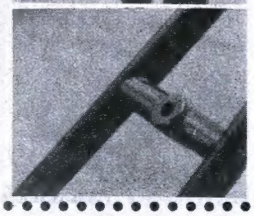
Angles 73°
Fork Rake 2¼"
Wheelbase 39½
Chainstay 16½
Weight: 6¾ lb.(23")











INCLUDES COMPLETE SET OF DECALS
Colors: Red or Blue Candy Metallic
Size: 23" only

BN-NT-X $125.00 NEW LOWER PRICE
AVAILABLE FOR IMMEDIATE DELIVERY

GIOS TORINO





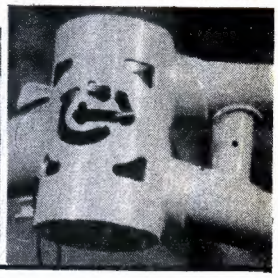
A TRULY FINE HAND-CRAFTED ITALIAN FRAME



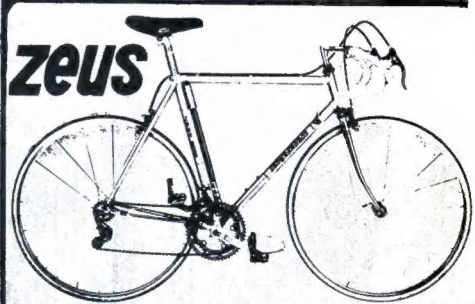
Tubing: Columbus SL. Beefy Fork Blades, Chainstays & Seatstays. Fork Ends: Campy 1010B w/adjustors, drilled Rear Dropouts. Fork Crown: track style flat with Gios Medallion inserts. BB: Cast slotted shell, Italian threads, 70mm. Long-point Lugs. Unique English Flat Seatstay Attachment. 6 spd. Rear Spacing. 27.2 Seatpost Size. Flat black Chainstay Guard Braze-ons. Waterbottle Bosses, 3 Top Tube Brake Cable Guides, BB Tunnel Guides, Chainstay Eye, Brake Bridge & Chainstay Reinforcement, Shift Lever Bosses for Campy levers, Fork Tab Reinforcement. **Color: Electric Blue**
Sizes: 50, 52, 54, 56, 58, 60, 62cm

Frame & Fork, **GT-RF-X $510.00**





zeus



Zeus SUPERCRONOS Frame, Reynolds 531 SL Tubing. Chrome Lugs on head tube. Chrome Flats on rear dropouts. Chrome Fork. Zeus Dropouts 29400.00 with Rear Adjustors. Braze-ons for downtube levers, Waterbottle Cage Bosses, All Braze-on Cable Guides.
Head Tube: 74°; Seat Tube: 75°
Colors: Red, Blue, Green
Sizes: 50,52,54,56,58,60cm ZU-SCF-X $450.00

Zeus SUPERCRONOS Assembled Bicycle, same specs as SUPERCRONOS Frame. Zeus 2000 Components, Silver. Neo Pro Tubulars, Mavic Professional Rims, Christophe Z-Clips and Straps, Braze-on Lever Assembly. 20lbs. Includes Zeus Frame-fit Pump and Zeus Waterbottle & Alloy Cage. **Colors: Red, Blue, Green**
Sizes: 50, 52, 54, 56, 58, 60, 62cm

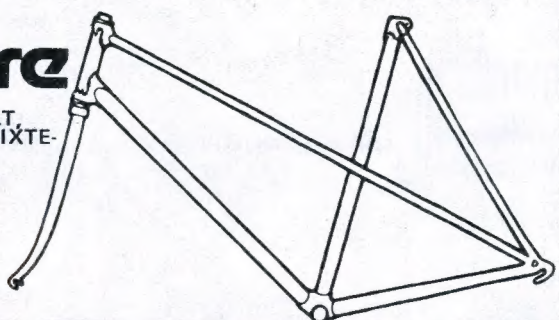
ZU-B-X $1100.00

Full-Color Zeus Catalog
ZU-C104 $8.00

nashbar toure mixte

A QUALITY-BUILT, LIGHTWEIGHT MIXTE-STYLE FRAME

Nashbar Toure Mixte, Chrome-moly Tubing, fully lugged Frameset. Forged steel Dropout with Eyelets, English BB, Cable Guides, Seatpost Size: 26.8, Seatpost Bolt included. **Color: Blue only**
Size: 17½" only. Uses 27" or 700c wheels.
BN-NTM $130.00 Good Quality Frame for Shorter Riders



toure 27

- **Toure 27 Frame,** a 27" frame, high-tensile tubing, fully lugged. Stamped steel Dropouts with Eyelets. English BB, Cable Guides & Stops, Centerpull Brake Hanger. Seatpost Size: 26.0 w/ Seatpost Bolt included. **Color: Blue**
- **Size: 27" BN-T27 $100.00 SALE**

HEADSET INSTALLATION AVAILABLE ON MOST FRAMES, **BW-HIL-X $10.00**
Please specify type of brakes that will be used.

STANDARD SHIPPING ON ALL FRAMES

All Colnagos featured in this catalog are built in the Colnago factory in Milan, Italy, under the supervision of Ernesto Colnago. The 1983 Colnagos now come individually boxed in Colnago boxes and are faced and tapped at the factory. They feature Chromed Flats on the dropouts and Chromed Fork and Crown. The Fork Blades are painted to match the frame. Improved quality & detailing make the Colnago a more desirable frame than ever before.

PROFIL CX Racing Frame

Profil CX, Colnago's stiffest and mostly aerodynamic frame. Special clover-leafed Columbus SL Aerodynamic Tubing on the 3 main tubes, a new Aero Fork Crown w/ special Columbus Aero Fork Blades, Seatstays and top-mounted Levers with internal derailleur cables. The Profil CX besides being a perfect racing frame is also the most beautiful for sale in America. The entire frame is chrome-plated (done in Switzerland) then a translucent candy red is put over the chrome creating a dazzling finish. Guaranteed to satisfy the most discriminating.

Color: Chromed-Velo Red
Sizes: 50, 52, 54, 56, 58, 60, 62cm

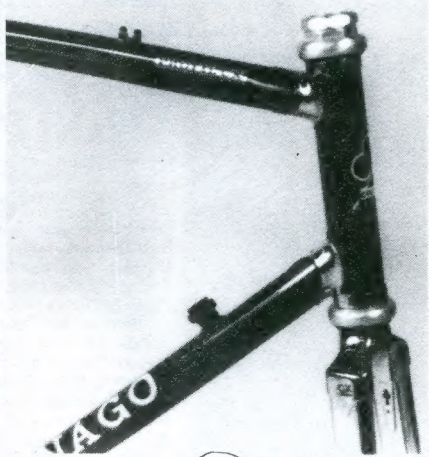
Specifications—Fork Ends: Colnago, Fork Rake: 1.75" Head Tube Angle: 75°, Seat Tube Angle: 74-75°, Seat Post I.D.: 27.2, Fork Tube I.D.: 22.2, Bottom Bracket Thread: Italian, Wheel Size: 700c, Country Built: Italy

CO-CX-X $695.00









Italy's best known and finest production frame. Colnago is used by more winning racers than any other make.

74° - 75° Angles

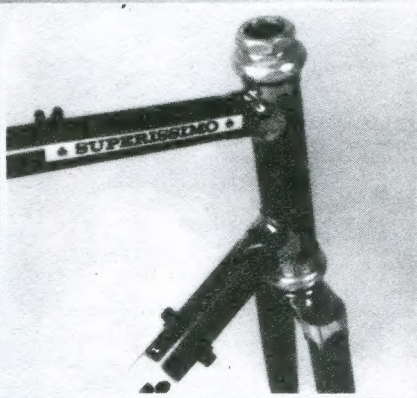
SUPERISSIMO Racing Frame

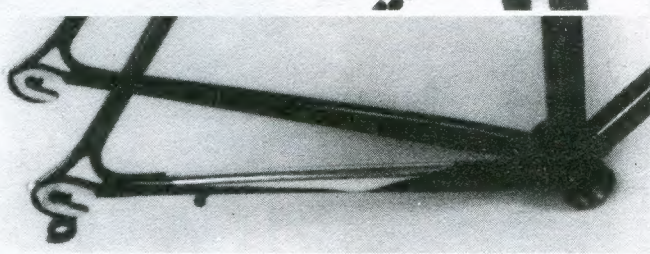
Colnago Race Frame, Tubing: Columbus SL. Beefy Fork Blades. Fork Ends: Colnago Forged with Adjustors. Fork Crown: Semi-sloping with Colnago engraving, chromed. Bottom Bracket: Cast shell, Italian, 70mm with Clover Leaf Cutout. Long-point Lugs. Italian Fluted Seatstay Attachment with Colnago name engraved. 6-speed Rear Spacing. Seatpost Size: 27.2. Braze-ons: Waterbottle Bosses, 2 Top Tube Brake Cable Guides, underside BB Tunnel Guides, underside Chainstay Eye, Brake Bridge and Chainstay Reinforcements, Shift Lever Bosses, Fork Tab Reinforcement. **Colors: Saronni Red, Black Fire, Nuovo Blue**
Sizes: 48,50,52,54,56,58,60,62,64cm

CO-S-X $509.75





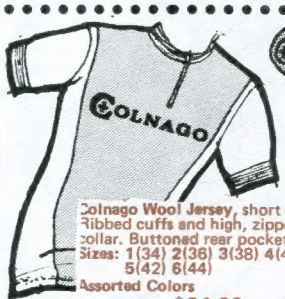




Colnago TRACK Frames are now available. **Sizes: 54,56,58,60cm. Color: Saronni Red only.**
CO-TF-X $390.00



Colnago T-shirt, a Bike Warehouse shirt with a large dark blue Colnago Transfer on the front & a large Bike Warehouse Transfer on the back.
Colors: Powder Blue, Natural Beige, Light Yellow.
Sizes: Adult/S,M,L,XL
BW-K-SCN-X $5.30



Colnago Wool Jersey, short sleeve. Ribbed cuffs and high, zippered rib collar. Buttoned rear pockets.
Sizes: 1(34) 2(36) 3(38) 4(40) 5(42) 6(44)
Assorted Colors
CO-JER-X $34.00



Colnago Cap, 50/50 Poly/Cotton. Blue/White/Yellow.
CO-CAP $2.95



Colnago Handlebar Stem, BLACK, engraved "Colnago"
Sizes: 90,110,130
CO-HS-X $29.90



Colnago Brake Calipers, black, short reach.
CO-B $89.50

Colnago Seatpost, engraved "Colnago", 27.2,
CO-SP $49.50



Colnago Chainring, 52T, engraved "Ernesto Colnago", **CO-CR $37.80**

Colnago AERO Braze-on Down-tube Shift Levers, aerodynamic styleing with curved ends. High-resistant resin material. **Black finish.** Complete with all hardware.
CO-DTL $12.50 pr.



HEADSET INSTALLATION AVAILABLE ON MOST FRAMES, **BW-HIL-X $10.00**
Please specify type of brakes that will be used.

STANDARD SHIPPING ON ALL FRAMES

"The people there are a credit to your organization," J.M., New Lenox, IL.

NOTE: SHIPPING OF COMPLETE BICYCLES. We can ship bicycles Greyhound Express which is faster, but the bicycle must be picked up at your local bus terminal. You also have to give us the location of the bus terminal. Otherwise, bicycles will be shipped by truck.

AERO

Model: Aero Dura AX

Frame & Lugs	All CR-MO Aero Oval Tubing
Fork	CR-MO Aero
Head Parts	Tange Levin Aero
BB Sets	Shimano DA-AX
Handlebar	Nitto ADBX
Handlebar Stem	Nitto Crystel Blue
Bar Tape	OGK Pearl Aero
Brakes	Shimano DA-AX
Lever CAble	Shimano DA-AX
Gear & Cranks	Shimano DA-AX
Chain	Uniglide
Pedals	Shimano DA-AX
Rear Derailleur	Shimano DA-AX
Front Derailleur	Shimano DA-AX
Shift Levers	Shimano DA-AX Brazed-on
Freewheel	Shimano DA-EX 7spd. Gold
Saddle	Kashima Aero-Super Pro
Seatpost	Shimano DA-AX Oval
Front Hub	Shimano DA-AX w/Quick Release
Rear Hub	Shimano DA-AX w/Quick Release
Spokes	Oval 15/16 Stainless
Tires	National Pana Racer Tubular 230G
Rims	Arraya ADX-2 Aero No. 2 type
Waterbottle	Aero-dynamic type, w/Alloy Cage

Weight: 19-20 lbs.

VERY LIMITED



Includes Set of 4 Service Manuals-See Pg. 16

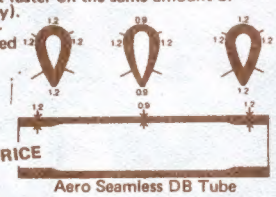
14 Speed AERODYNAMICS RACING

Reduced wind resistance by an amazing 20.6%*. This decreased resistance means a reduction in rider fatigue & improved acceleration (or a rider can go farther & faster on the same amount of expended energy).

Jewel-like craftsmanship. Lugged construction.

Platinum Blue

Sizes: 23,25"



Aero Seamless DB Tube

TS-ADA-X

$840.00

NEW LOWER PRICE

Sugg. Retail over $1400

$15.00 Shipping

COMPOSITION

C	Si	Mn	Mo	S	P	Cr
0.33%	0.35%	0.85%	0.25%	0.03% Max.	0.03%Max.	1.2%

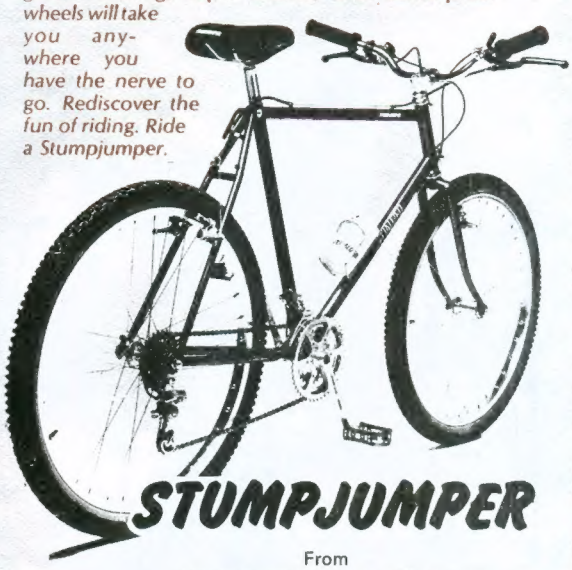
FRAME PREPARATION—Before leaving our warehouse, all frames are unpacked by our in-house frame mechanic, Tom, and thoroughly inspected for damage. Then, 1) Alignment of frame & fork is checked, 2) BB Shell is faced & cleaned with a tap, 3) Fork Crown Race is milled, 4) Head Tube is milled & faced, 5) Rear Dropouts are checked, 6) Threads in rear derailleur dropout, adjusting screw eyelets & water bottle bosses are tap cleaned, 7) Steering Tube is cut to the correct length if we are installing the headset **(please specify if sidepull or centerpull brakes will be used).**



COMMUTER * TOURING * DIRT RIDING * WILDERNESS

THE BIKE FOR ALL REASONS.

More fun per mile than anything you can ride. The Stumpjumper combines balloon tires with modern road racing technology to create a bike for all reasons. Only 28 lbs., the 15 speed Stumpjumper's great handling, super brakes, and bomb-proof wheels will take you anywhere you have the nerve to go. Rediscover the fun of riding. Ride a Stumpjumper.



STUMPJUMPER

From

SPECIALIZED

FRAME *Special series chrome-moly tubing throughout (specially designed and drawn for the STUMPJUMPER). Frame geometry: 67.5/70 degree head/seat. Complete braze-on group, no clamps required! Braze-on group includes: front and rear dropout eyelets, custom seatstay rack mounts, all cable guides, and waterbottle mounts. Available sizes: 17.5, 19.5, 21.5, and 23.5 inches (measured center to center)*

FORKS *Custom lost-wax process, investment-cast fork crown. Raked forks for increased resilience and handling.*

HEADSET *SPECIALIZED Alloy Headset, keeps out dirt and grit without interfering with performance.*

WHEELS *Custom stumpjumper-duty 4x wheels built by Wheelsmith, specifically for the STUMPJUMPER. Rear wheels feature 6-speed axles built with 5-speed spacing for minimum dish and maximum strength. Arraya 7X alloy rims (26x1.75), 14 gauge stainless steel DT spokes, special sealed bearing hubs with oversize nutted axles (feel how smoothly these high performance hubs turn!). SPECIALIZED STUMPJUMPER 26x2.125 tires, or, for street use, STREETSTOMPER 20x1.75 tires. All wheels are fitted with presta valve tubes for high performance.* **We sell the STUMPJUMPER & STREETSTOMPER tires on page 28**

BRAKES *Mafac HC5 Super Deluxe cantilevers for maximum stopping power. Motorcycle cables and Tommaselli's best forged motorcycle motocross levers.*

DRIVE TRAIN *TA alloy triple crankset (26, 36, 46). Special bottom bracket assembly with chromoly spindle and precision ground and polished races encased in a plastic collar-sleeve dirt seal. Pedals: Suntour alloy with chromoly shaft (BMX style.) Derailleurs: Suntour ARX GT smooth shifting Cyclone-design with steel parts for strength. Chain: Shimano Uniglide Gold. Freewheel: Suntour New Winner 5-speed (14-17-20-24-28). Shifters: Suntour ratchet-action thumb shifters.*

HANDLEBARS *SPECIALIZED Model TV, chromoly bars (motorcycle strength).*

STEM *Rigid four-point SPECIALIZED stem for maximum strength.*

SADDLE *STUMPJUMPER anatomic saddle.*

SEATPOST *extra-long (220mm) SR LaPrade seatpost with painted flutes.*

SEATPOST CLAMP *Quick-release seatpost clamp for convenient seat height adjustment.*

EXTRAS *SPECIALIZED waterbottle and stayguard.*

Sizes (C to C): **17½, 19½, 21½, 23½, 24**
(5'6" to 6'1" use 21.5; over 6'1" use 23.5 in)

Colors: Blue, Anthracite

SB-SJ-X $735.00 Shipping: $15.00



STUMPJUMPER "SPORT"

TOP QUALITY FOR THE BUDGET-MINDED

Frame—Stumpjumper, 3 main tubes: Chrome-moly, other tubes: H-Ten. 1 waterbottle braze-on on downtube. Specialized sealed headset, Chrome-moly BB
Lugged
Front Derailleur—SunTour AR GT
Rear Derailleur—SunTour AR GT, bolt-on
Shifters—SunTour MS1 and MS2
Brakes—Mafac Cyclo
Cable & Levers—New Dia Compe, forged
Freewheel—SunTour Perfect D 14,16,20,24,30
Pedals—SR Sure Foot III, with removable cage
Crank—Sugino AT Triple 26x36x46, standard BB
Chain—Uniglide Silver/Black
Hubs—SunTour Sealed, no dish
Rims—Arraya 7X silver
Spokes—14 Gauge, galvanized
Saddle—Avocet I
Handlebars—Chrome-moly Original Ritchey
Stem—Tig welded
Tires—Stumpjumper 26 x 2.125
Tubes—26 x 1.75 Schrader
Grips—OGK Black

Sizes: 17½, 19½, 21½, 23½"
Color: Silver
SB-SJS-X $485.00 Shipping: $15.00
Assembled in Japan

SURVIVAL OF THE FATTEST Stumpjumper

SPECIALIZED SPECIAL ORDER

Call for Information

SEQUOIA

Sport Touring Frame, Color: Blue. Sizes: 47,51,54,56,58, 60,62.5,65,68.5cm
SB-TF-X $375.00

allez

Road Racing Frame, Color: Brite Red.
Sizes: 50,52,54,56,58,60,62cm
SB-RF-X $475.00

"My hat is off to you for a job well done," D.J., Okinawa, Japan

*Test conducted at the Japanese Car Research Institute Foundation at Tsukuba City

PLEASE ORDER BY STOCK NUMBER, DESCRIPTION AND PRICE



NEW



SURVIVAL OF THE FATTEST

Stumpjumper

STUMPJUMPER T-SHIRT, Hanes Beefy-T 100% Cotton, short sleeve. 4-color 'Fat Tire Flyers' on the front, 'Survival of the Fattest' on the back. U.S.A.
Shirt Color: Blue. Sizes: S,M,L,XL SB-FTF-X **$6.95**

SPECIALIZED "EXPEDITION"

A Long-Distance, Heavy-Duty Touring Bicycle

Frame: Double-butted Chrome-moly throughout.

Drivetrain: Crankset-Sugino Aero Triple, 26x44x48T, Sugino Triple BB, Derailleurs-Superbe Tech/Mount Tech (sealed pully), Shifters-Cyclone II, Chain-Sedisport, Freewheel-New Winner Ultra-6 13x15x17x 20x24x30T.

Components: Brakes-Mafac Cyclo (cantilever), Saddle-Avocet Touring I, Pedals-MKS Silvan Silver, Headset-SBI Channel-seal steel, Toe Clips/Straps- Specialized, Stem-Specialized S2, sized to fit, Handlebars-Specialized Model I sized to fit, Seatpost-SR Laprade sized to fit.

Wheels: Hubs-Specialized QR, sealed, 36° front, 40° rear, Rims-Super Champion 58 700c, Spokes-14g stainless X-4, Tires-Specialized Expedition 700x35c

Miscellaneous: Handlebar Tape-cloth Padded, Waterbottle-Expedition (3),Braze-ons–Waterbottle Mounting Bolts, Front & Rear Rack Mounting Bolts.

Includes Blackburn Lowrider Racks and Internal Wiring for Sanyo Generator Light Set.

Color: Metallic Slate, with contrasting decals
Sizes: 47.5, 51, 54, 58, 60, 62.5, 65, 68.5cm

SB-EB-X **$584.00** Shipping: $15.00

NEW

NEW

California Recumbents

A DIVISION OF SAN LUIS PLATING

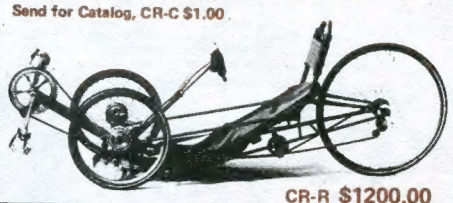


Sportster

CR-S **$1700.00** Complete

Optional ¼ Fairing, CR-SF $250.00

Send for Catalog, CR-C $1.00



Racer

CR-R **$1200.00** Complete

Optional ¼ Fairing, CR-RF $250.00

FRAME SIZING CONVERSION

Inch	CM				
19	48	22	56	24.8	63
19.5	49.5	22.5	57	25	63.5
20	51	22.8	58	25.2	64
20.5	52	23	58.4	25.5	64.8
20.8	53	23.2	59	25.6	65
21	53.4	23.5	59.7	26	66
21.2	54	23.6	60	26.3	67
21.5	54.6	24	61	26.5	67.3
21.6	55	24.4	62	26.8	68
		24.5	62.2	27	68.6

NEW

NISHIKI "CRESTA" Touring

Cresta Touring Frame, a high-quality Japanese built touring frame. Designed with the tourist in mind. Ideally suited for the day tourist, yet capable of handling the long-distance rides. **Specifications:** Tubing: Tange-Champion Chrome-moly Double-butted, Fork Ends: SunTour GS Vertical Dropout with Eyelets, Fork Crown: Semi-sloping, Seatstay: English Flat with Nishiki engraving, 3 Top Tube Cable Guides, 2 sets of Downtube Bottle Braze-ons, Underside BB Cable Guide, Underside Chainstay Guides, Long-point Lugs, Chromed Dropout Flats, Seatpost Bolt and Bottle Cage Mounting Bolts, English threaded Bottom Bracket. Fork Rake: 2 1/8". Wheelbase: 40¾". Chainstay: 17¼"
Colors: Red, Blue or Pearl Black. Sizes: 54 or 64cm

CP-NC-X **$149.50** A Once-in-a-Lifetime Special Price!





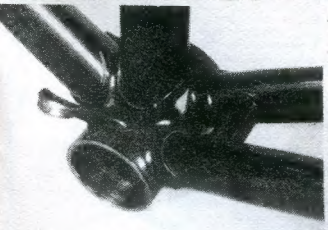


Eddy Merckx Frame, Tubing: Columbus SL. Beefy Fork Blades, Chainstays and Seatstays. Fork Ends: Campy 1010B with Adjustors. Fork Crown: Track style Flat with Merckx engraving. Super Record BB, Super Record Headset, short-point Lugs. English Flat Seatstay attachments with Merckx engraved. 6 speed Rear Spacing. Seatpost Size: 27.2. 74° Angles. Braze-ons: Waterbottle Bosses, 3 Top Tube Brake Cable Guides, BB Tunnel Guides, Chainstay Eye, Brake Bridge and Chainstay Reinforcement, Shift Lever Bosses for Campy Levers, Fork Tab Reinforcement. **Colors: Red, Blue, Silver**
Sizes: 50,52,54,56,58,60,62cm

EM-F-X **$510.00**

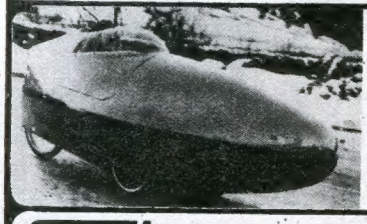








NOTE: SHIPPING OF COMPLETE BICYCLES. We can ship bicycles Greyhound Express which is faster, but the bicycle must be picked up at your local bus terminal. **You also have to give us the location of the bus terminal.** Otherwise, bicycles will be shipped by truck. **Shipping by either method is $15.00**



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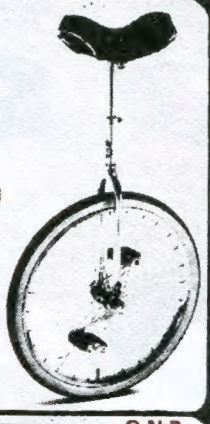
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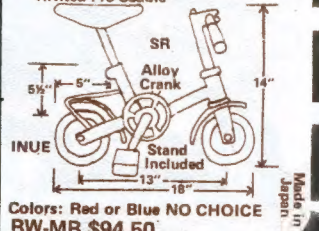
Specify Wheel Size: 20 or 24"

CP-UC-X **$58.48**





Saint Tropez MINI-BICYCLE



Colors: Red or Blue NO CHOICE

BW-MB **$94.50**

NISHIKI Holdsworth

O.N.P. CP-ONP-X **$345.00**

HW-TF-X **$325.00**

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Please specify type of brakes that will be used.