



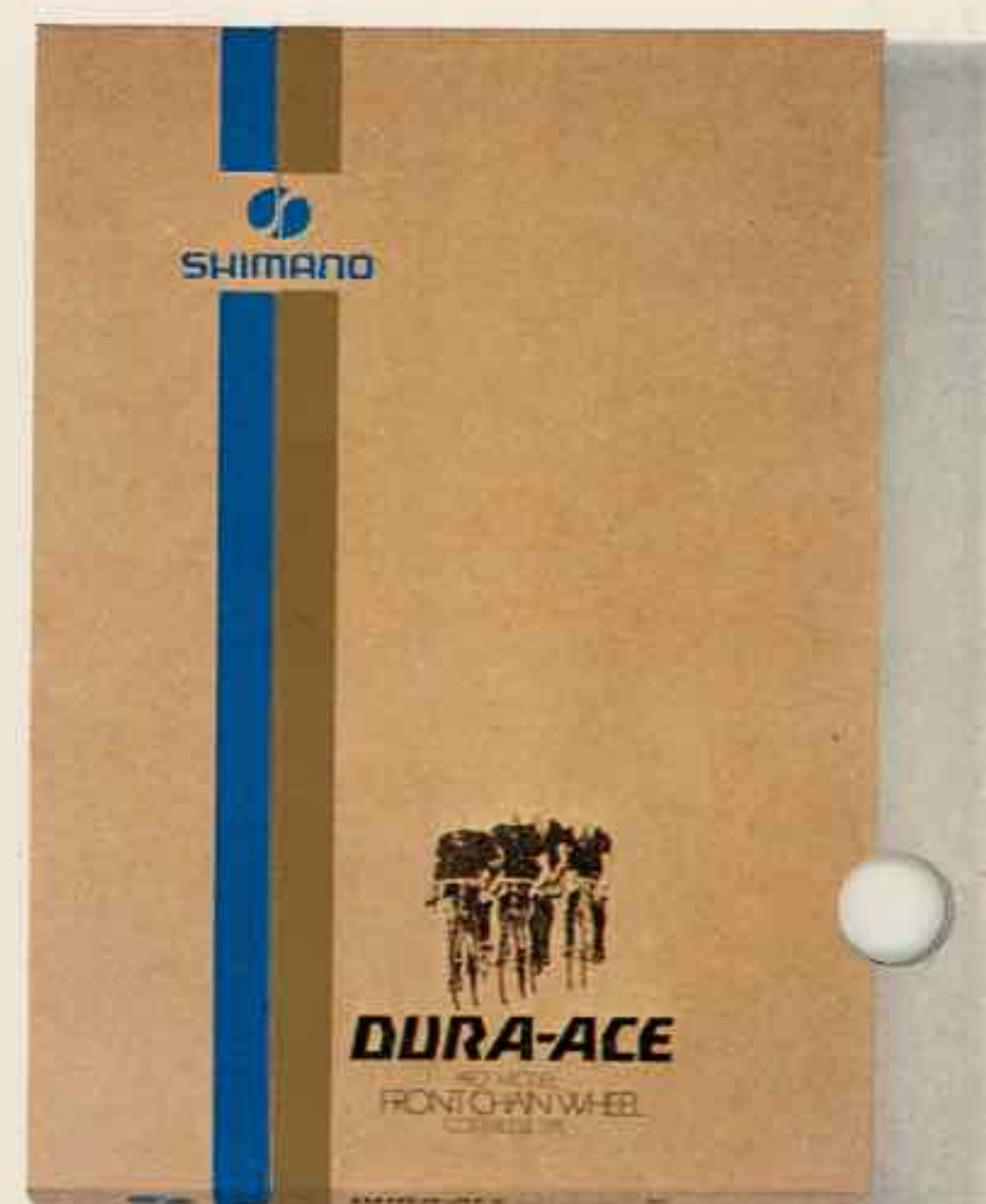
SHIMANO



DURA-ACE

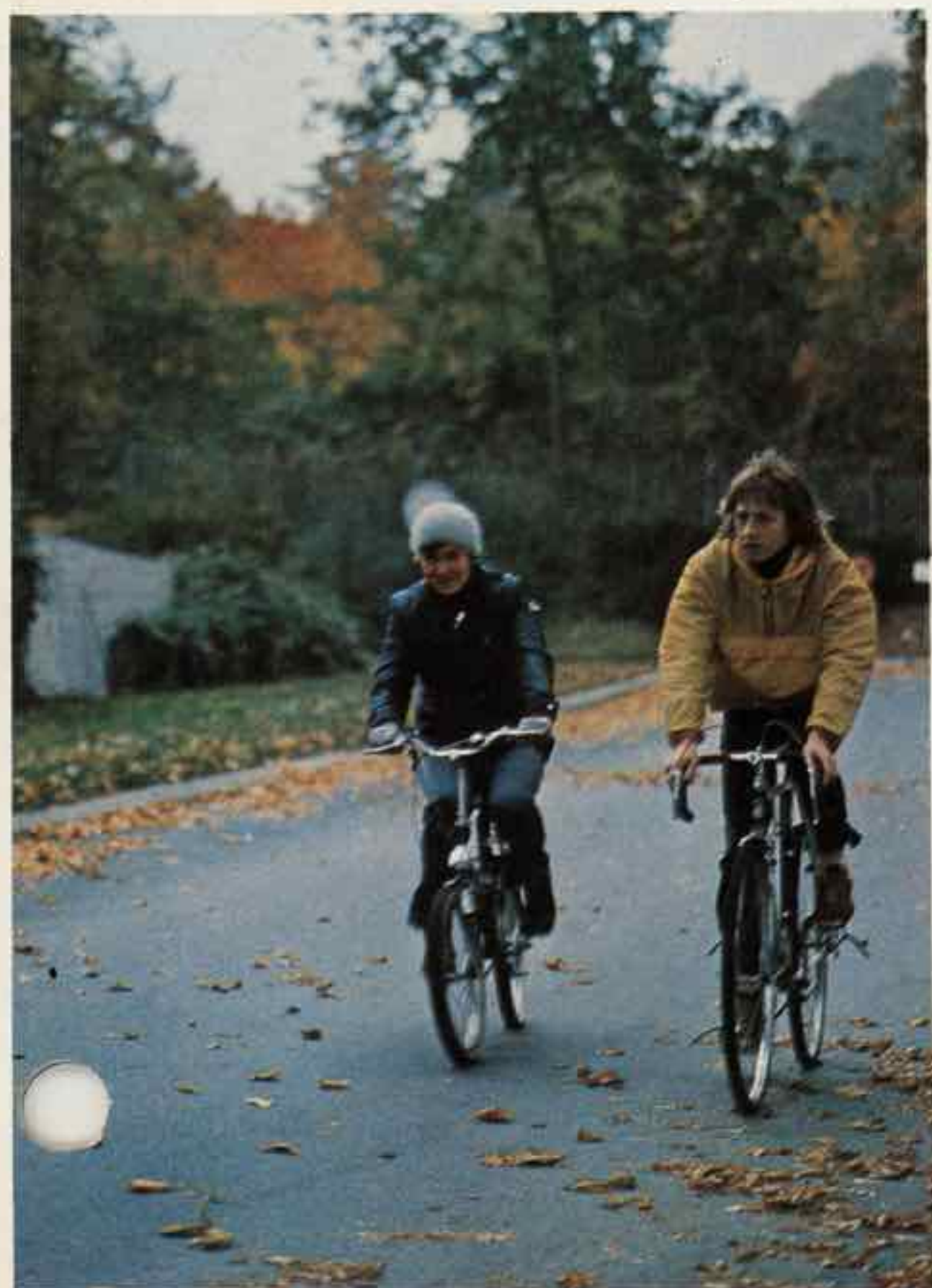
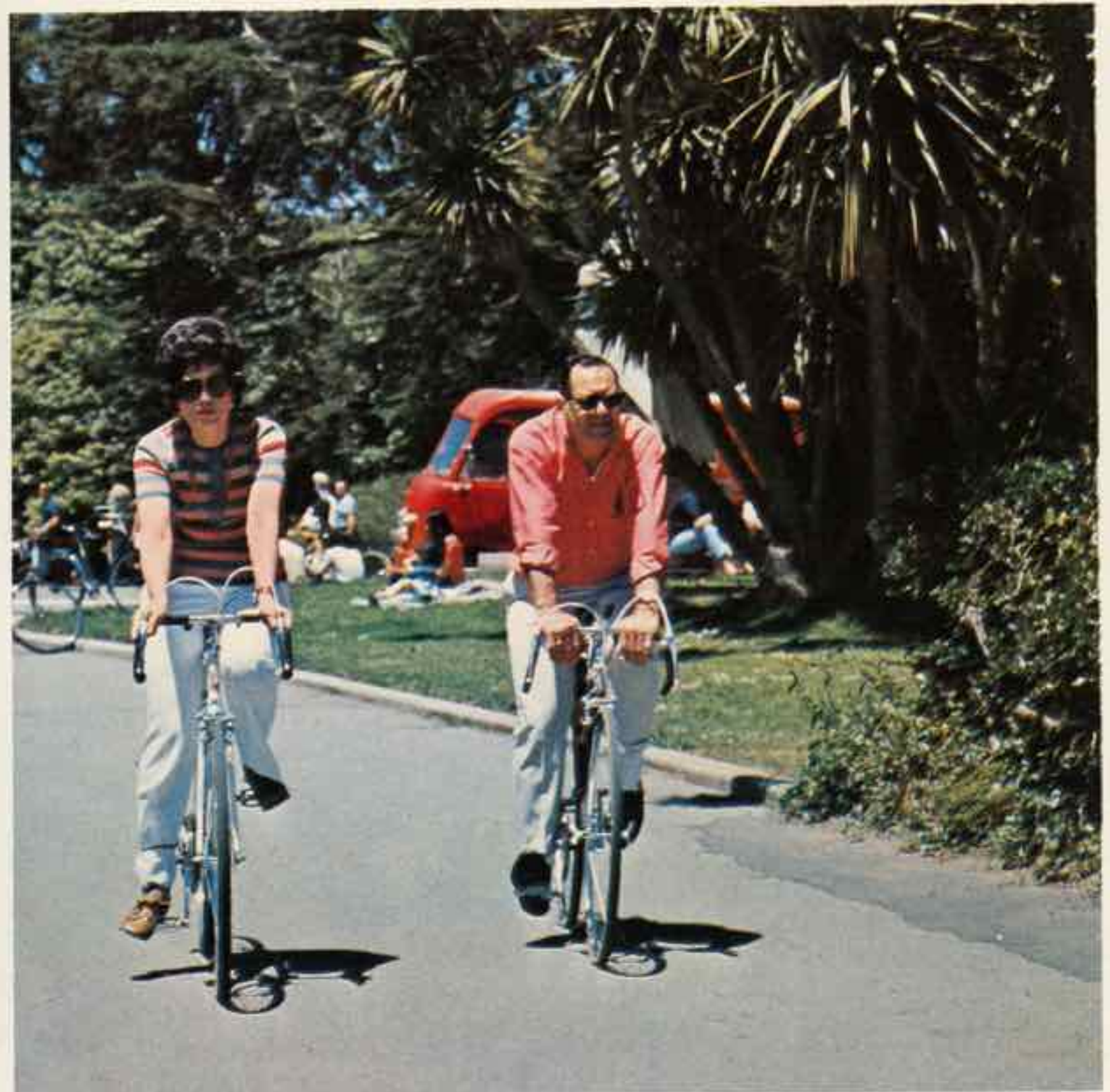
LIGHT ALLOY
BICYCLE PARTS





Bicycle components for people who really care about their bicycles.

If you are one of those people to whom a bicycle is an important part of daily life . . . whether you are a professional bike racer or simply a bicycle enthusiast . . . in other words, if biking is your thing, Dura Ace components are a must. They're made by Shimano --- the largest manufacturer of bicycle components in the world, with over 50 years of experience --- and they're made with infinite care for those who demand the very best. The Dura Ace series is a full line of high quality components, featuring the most advanced engineering and performance possible. Each is manufactured of special light weight, extra strong "mincra-alloys". Shimano's unique "cold forging" process adds that extra degree of strength and precision. The Dura Ace line's exquisite jewel finish characterizes the extra care and craftsmanship that goes into each and every component. If it bears the Dura Ace name --- it's your guarantee of strength, lightness and performance.





SHIFTING LEVER
DURA-ACE

SPECIFICATIONS
Weight: 2.65 oz. (75 g)
Material: Light Alloy
Use: 10-speed



SHIFTING LEVERS
**FINGER-TIP
BAREND CONTROL**

SPECIFICATIONS
Weight: 2.8 oz. (80 g)
Material: Light Alloy
Use: 10-speed



TEN-SPEED SET



REAR DERAILLEUR
CRANE

SPECIFICATIONS
Capacity: 28 teeth
Weight: 7.9 oz. (225 g)
Material: Light Alloy
Type: Servo Panta Mechanism

REAR DERAILLEUR
CRANE GS

SPECIFICATIONS
Capacity: 34 teeth
Weight: 9.5 oz. (270 g)
Material: Light Alloy
Type: Servo Panta Mechanism (Long Cage Plate)

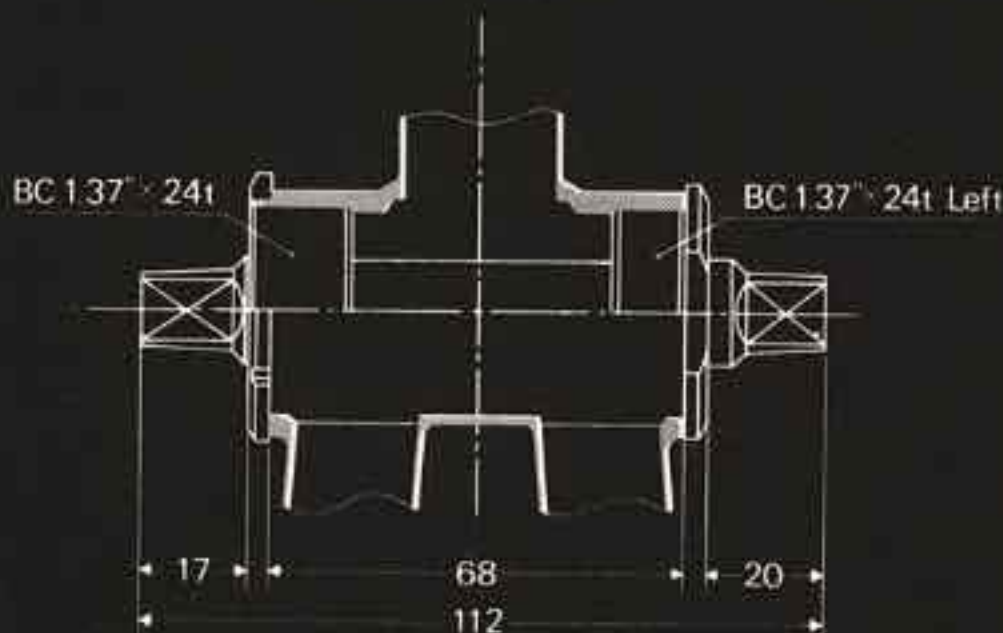




FRONT CHAINWHEEL **DURA-ACE**

SPECIFICATIONS

Material: Light Alloy
Type: Cotterless
Chain Ring: $1/2" \times 3/32"$ Chain (2 mm)
Teeth: Inner Chain Ring 39 ~ 48 teeth
Outer Chain Ring 48 ~ 55 teeth
Crank Lengths: $6\ 1/2"$ (165 mm)
 $6\ 3/4"$ (170 mm)
Crank Screw: $9/16" \times 20t$
Cup Screw: $1\ 3/7" \times 24t$
Spindle Length



MULTIPLE FREEWHEELS

SPECIFICATIONS

Standard Sprocket: $1/2" \times 3/32"$ Chain (2 mm)
Thread: $1\ 3/7" \times 24$ T.P.I.

Standard Sprocket Combinations:

5-Speed	13-15-17-19-21 Teeth
	14-16-18-20-22 Teeth
	15-17-19-21-24 Teeth
6-Speed	13-14-15-16-17-18 Teeth
	13-15-17-19-21-23 Teeth

SPECIFICATIONS

Standard Sprocket: $1/2" \times 3/32"$ Chain (2 mm)
Thread: $1\ 3/7" \times 24$ T.P.I.

Standard Sprocket Combinations:

5-Speed	15-17-19-21-24 Teeth
	14-17-20-24-28 Teeth
	14-17-22-27-32 Teeth
	14-17-21-26 ^A -32 ^A Teeth
	14-17-21-26 ^A -32 ^A Teeth
	14-17-22-28-34 Teeth
	14-17-22-28 ^A -34 ^A Teeth
	14-17-22-28 ^A -34 ^A Teeth, (LT)

(LT): with Seal and Top Protector
A: Alternate Teeth Sprocket



FRONT DERAILLEUR **DURA-ACE**

SPECIFICATIONS

Weight: 3.7 oz. (105 g)
Material: Light Alloy (Body),
Steel (Chain Guide)





CALIPER BRAKES **DURA-ACE**

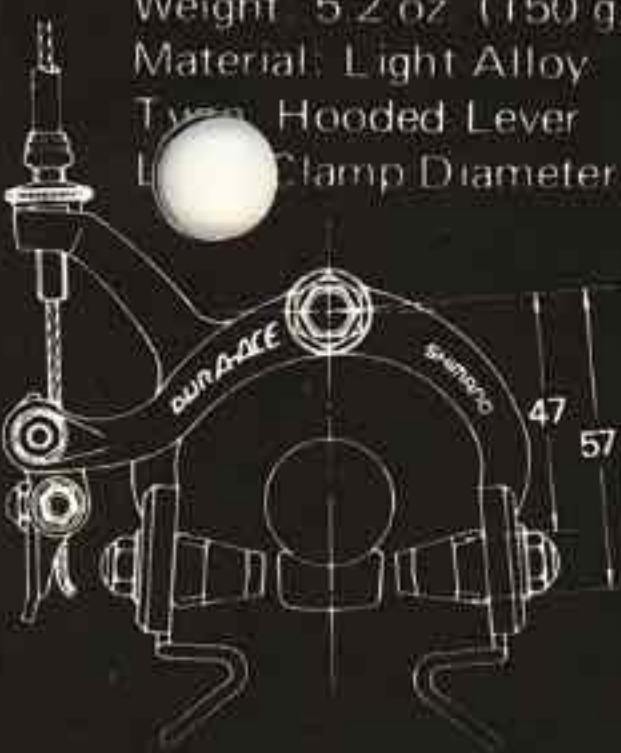
SPECIFICATIONS

Weight: Front 7.1 oz. (200 g), Rear 7.1 oz. (200 g)
Material: Light Alloy
Type: Side Pull with Quick Release

BRAKE LEVERS

SPECIFICATIONS

Weight: 5.2 oz. (150 g)/Pair
Material: Light Alloy
Type: Hooded Lever
Clamp Diameter: 23.8 ϕ



FRONT & REAR HUBS **DURA-ACE**

SPECIFICATIONS (5 Speed Large Flange Hub)

Weight: Front 9.2 oz. (260 g), Rear 12.7 oz. (360 g)
Material: Light Alloy
Type: Large Flange, Quick Release
Thread: 1.37" x 24 T P I
Over Lock Nut Dimensions
Front 3.94" (100 mm), Rear 4.72" (120 mm)
Spoke Holes: 36 x 36H

SPECIFICATIONS (5 Speed Small Flange Hub)

Weight: Front 7.8 oz. (220 g), Rear 10.2 oz. (290 g)
Material: Light Alloy
Type: Small Flange, Quick Release
Thread: 1.37" x 24 T P I
Over Lock Nut Dimensions
Front 3.94" (100 mm), Rear 4.72" (120 mm)
Spoke Holes: 36 x 36H



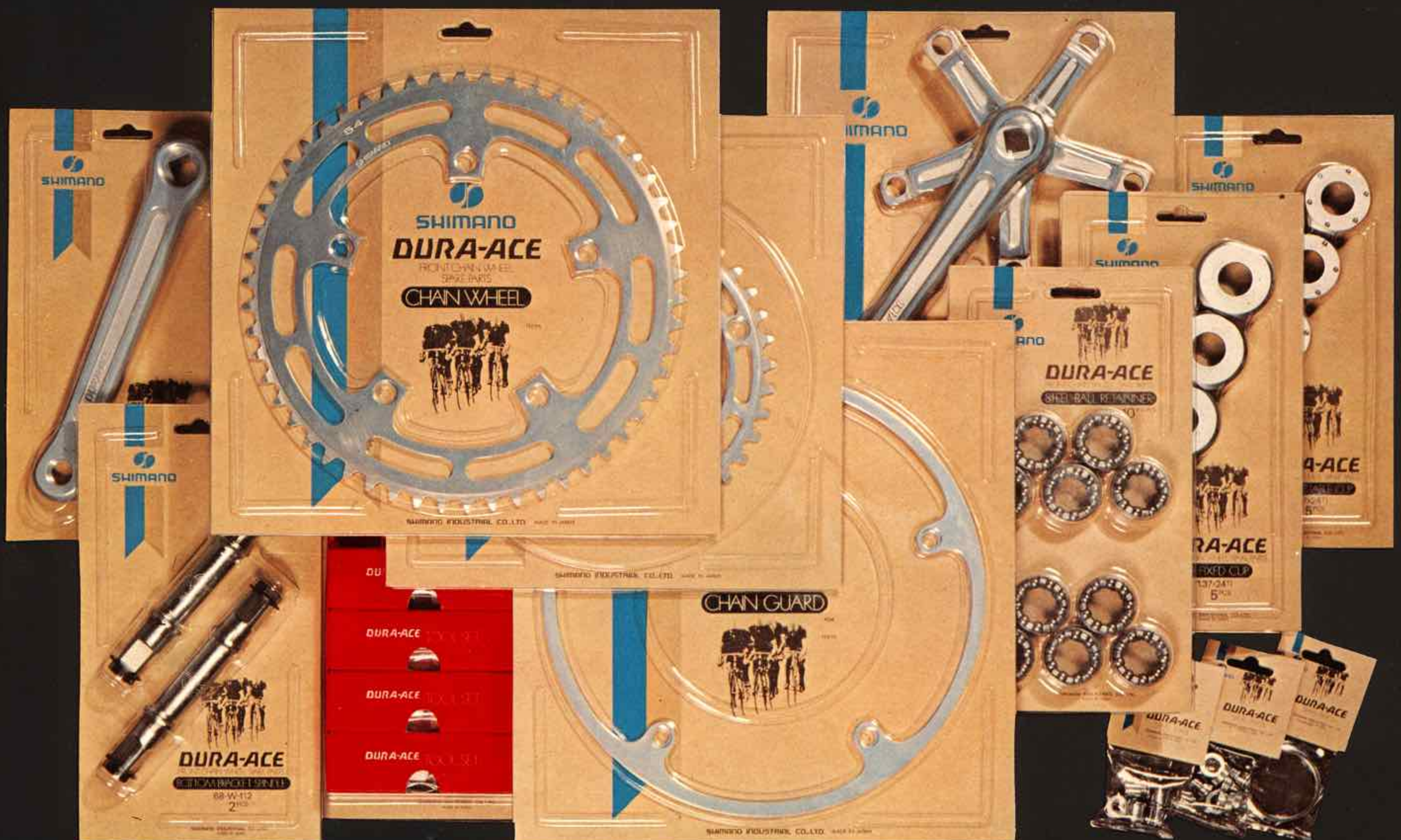
HEAD PARTS **DURA-ACE**

SPECIFICATIONS

Material: Chromium Bearing Steel
Type: Road Type



The higher quality of bicycle parts; the more necessary it is for them to be available in a wide selection of high performances. This is because they are necessary not only as spare parts themselves, but also as spare parts to make available a wider variation, such as, for example, a selection of gear ratios. The DURA-ACE series of spare parts shown here is available in a wide range of types, and has been carefully prepared in order to assure a complete selection for all needs and wants.



PACKAGE CONTENTS SPECIFICATIONS (STANDARD MODELS)



DESCRIPTION	PACKAGE NO.	CONTENTS
 FRONT CHAINWHEELS	FC - 201	Chain Ring 1/2" x 3/32": 39-52 Teeth With Chain Guard Crank Arm: (6-1/2") 165mm Bottom Bracket Spindle Set Tool Set.
	FC - 202	Chain Ring 1/2" x 3/32": 45-54 Teeth Crank Arm: (6-1/2") 165mm Bottom Bracket Spindle Set Tool Set
	FC - 203	Chain Ring 1/2" x 3/32": 39-52 Teeth With Chain Guard Crank Arm: (6-3/4") 170mm Bottom Bracket Spindle Set Tool Set
	FC - 204	Chain Ring 1/2" x 3/32": 45-54 Teeth Crank Arm: (6-3/4") 170mm Bottom Bracket Spindle Set Tool Set
 HUBS	HB - 101	Large Flange Hub For 5-Speed
	HB - 201	Small Flange Hub For 5-Speed
	HB - 102	Large Flange Hub For 6-Speed
	HB - 202	Small Flange Hub For 6-Speed
 CALIPER BRAKE	CB - 101	Hooded Lever With Rubber Cover Side Pull Brake (Front & Rear) Outer Band Front Cable Set 670mm, 800mm Rear Cable Set 1,250mm, 1,400mm
 TEN-SPEED SET	TS - 001	CRANE MODEL Derailleur DURA-ACE Front Derailleur DURA-ACE Shifting Lever 1-1/8" (W) Adapter Cable Guide 1-1/8" W Cable Stop 5/8" Stainless Outer 280mm Inner Cable 1,180mm Inner Cable 670mm Hexagon Wrench Key 6mm
	TS - 002	CRANE-GS Model Derailleur DURA-ACE Front Derailleur DURA-ACE Shifting Lever 1-1/8" (W) Adapter Cable Guide 1-1/8" W Cable Stop 5/8" Stainless Outer 280mm Inner Cable 1,180mm Inner Cable 670mm Hexagon Wrench Key 6mm
 SHIFTING LEVER	SL - 101	DURA-ACE Shifting Lever 1-1/8" (W) Inner Cable For Rear Derailleur 1,180mm Inner Cable For Front Derailleur 670mm Stainless Outer For Rear Derailleur 280mm
	SL - 210	FINGER-TIP BAREND CONTROL Cable Guide 1-1/8" W Cable Stop 1-1/8" W Cable Stop 5/8" Front Inner Cable Rear Inner Cable Lever End Outer Casing Front Derailleur Outer Casing Rear Derailleur Outer Casing
 MULTIPLE FREEWHEEL	FW - 101	Pro Model 5-Speed
	FW - 102	13-15-17-19-21 Teeth
	FW - 103	14-16-18-20-22 Teeth
	FW - 103	15-17-19-21-24 Teeth
	FW - 601	Pro Model 6-Speed
	FW - 602	13-14-15-16-17-18 Teeth
	FW - 602	13-15-17-19-21-23 Teeth
	FW - 201	Touring Model 5-Speed
	FW - 202	15-17-19-21-24 Teeth
	FW - 203	14-17-20-24-28 Teeth
	FW - 203	14-17-22-27-32 Teeth
	FW - 204	14-17-21-26 ^A -32 ^A Teeth
	FW - 205	14-17-21-26 ^A -32 ^A Teeth (LT)
	FW - 206	14-17-22-28-34 Teeth
	FW - 207	14-17-22-28 ^A -34 ^A Teeth
	FW - 208	14-17-22-28 ^A -34 ^A Teeth (LT)
 DERAILLEUR	DR - 101	CRANE Model Derailleur Adapter Hexagon Wrench Key 6mm
	DR - 102	CRANE-GS Model Derailleur Adapter Hexagon Wrench Key 6mm
	DR - 601	DURA-ACE Front Derailleur
 HEAD PARTS	HP - 101	Road Type 1 Set (6 pcs.) Ball Retainer

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