SHIMANO

DURA-ACE

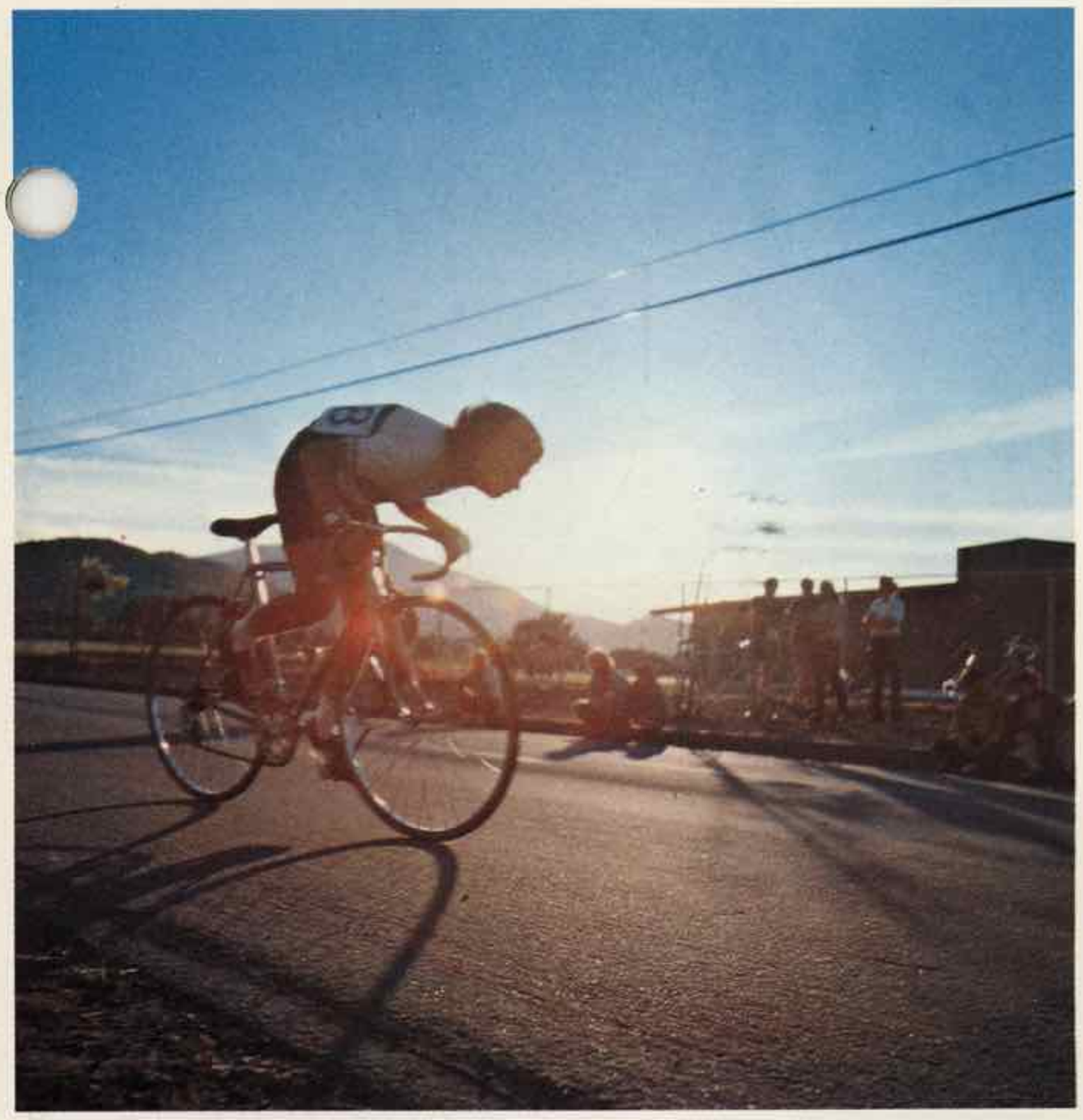
LIGHT ALLOY BICYCLE PARTS



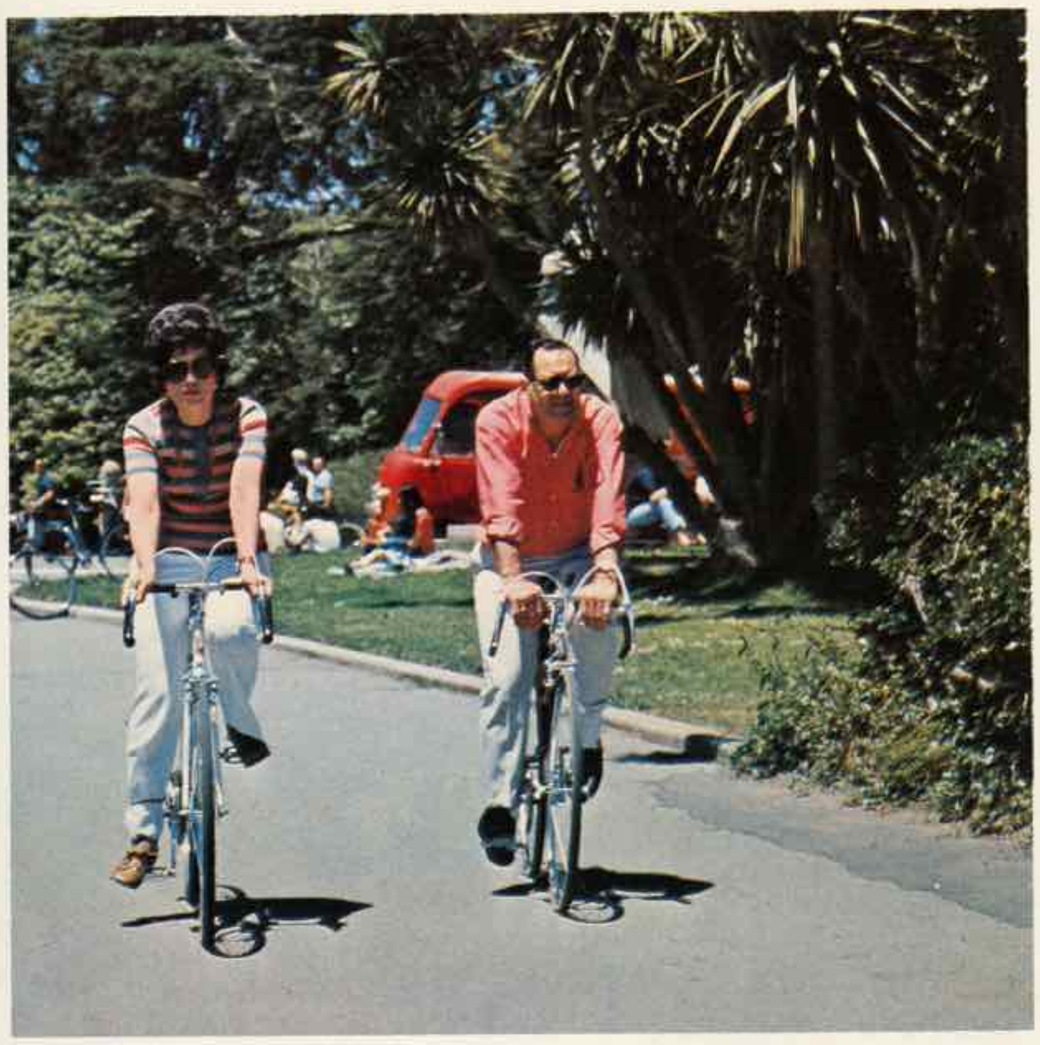


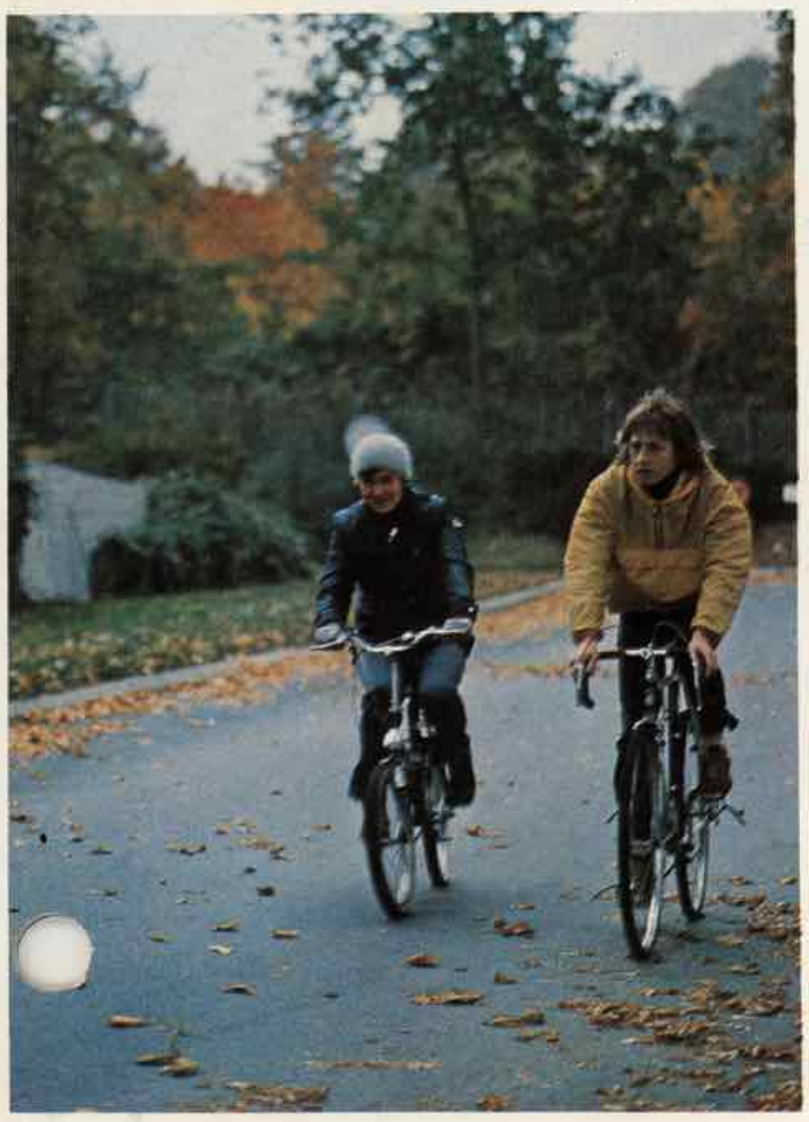
Bicycle components for people who really care about their bicycles.

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 in 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, lightne 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

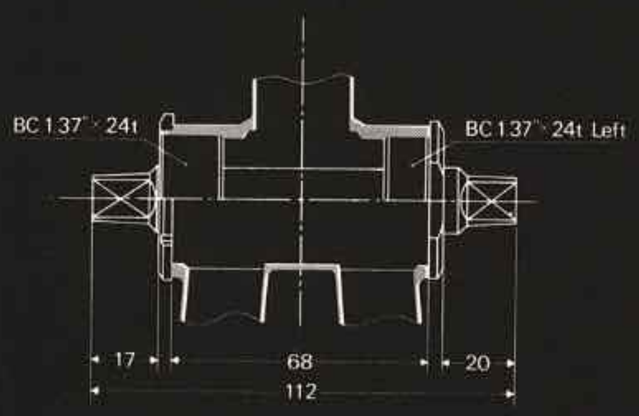
SPECIFICATIONS
Capacity: 34 teeth
Weight: 9.5 oz. (270 g)
Material: Light Alloy
Type: Servo Panta Mechanism (Long Cage Plate)



FRONT CHAINWHEEL

DURA-ACE

SPECIFICATIONS
Material: Light Alloy
Type: Cotterless
Chain Ring: 1/2" x 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" x 20t
Cup Screw: 1.37" x 24t
Spindle Length



MULTIPLE FREEWHEELS

SPECIFICATIONS
Standard Sprocket: 1/2" x 3/32" Chain (2 mm)
Thread: 1.37" x 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" x 3/32" Chain (2 mm)
Thread: 1.37" x 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)







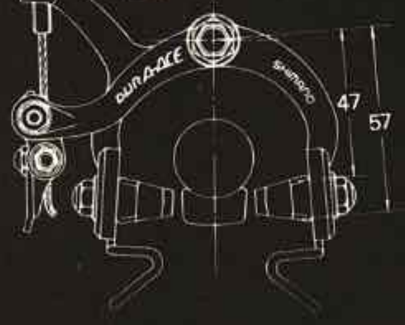
CALIPER BRAKES

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









SHIMANO

WIDE SELECTION OF HIGH-PERFORMANCE SPARE PARTS

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-Spped
	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 FW - 102 FW - 103	Pro Model 5-Speed 13-15-17-19-21 Teeth 14-16-18-20-22 Teeth 15-17-19-21-24 Teeth
	FW - 601 FW - 602	Pro Model 6-Speed 13-14-15-16-17-18 Teeth 13-15-17-19-21-23 Teeth
	FW - 201 FW - 202 FW - 203 FW - 204 FW - 205 FW - 206 FW - 207 FW - 208	Touring Model 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 (LT) 14-17-22-28-34 Teeth 14-17-22-28^{A}-34^{A} Teeth 14-17-22-28^{A}-34^{A} Teeth (LT)
DERAILLEUR	DR - 101	CRANE Model Derailleur Adapter Hexagon Wernch 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

SHIMANO

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Printed in Japan. 7304