

**SHIMANO
BICYCLE
SYSTEM
COMPONENTS**



SHIMANO



Rear Derailleur

Model DA-100
DURA-ACE
SPECIFICATIONS
Capacity: Front Difference/13 Teeth or Less
: Rear Largest Sprocket/24 Teeth or Less
Weight: 6.2 oz. (176 g.)
Material: Light Alloy • Almite Finish
Type: Servo Panta Mechanism



Cable Parts



Rear Derailleur

Model DB-100
CRANE
SPECIFICATIONS
Capacity: Front Difference/14 Teeth or Less
: Rear Largest Sprocket/28 Teeth or Less
Weight: 7.2 oz. (206 g.)
Material: Light Alloy • Almite Finish
Type: Servo Panta Mechanism
Option: Adaptor



Brazed on Parts



Rear Derailleur

Model DB-110
DURA-ACE
SPECIFICATIONS
Capacity: Front Difference/14 Teeth or Less
: Rear Largest Sprocket/34 Teeth or Less
Weight: 7.6 oz. (216 g.)
Material: Light Alloy • Almite Finish
Type: Servo Panta Mechanism
Option: Adaptor



Front Derailleur

Model FA-200
DURA-ACE
SPECIFICATIONS
Capacity: 16 Teeth or Less
Weight: 3.9 oz. (110 g.)
Material: Light alloy • Almite Finish (Body).
: Steel • Chromium Finish (Chain Guide)
Type: Lower Inlet Type
1-1/8"



Shifting Lever

Model LA-100
DURA-ACE
SPECIFICATIONS
Weight: 2.5 oz. (71 g.)
Material: Light Alloy • Almite Finish
Type: Double Lever
Attachment Position: Down Tube
Lever Clamp Diameter: 1-1/8"



Front Derailleur

Model FA-100
DURA-ACE
SPECIFICATIONS
Capacity: 16 Teeth or Less
Weight: 3.9 oz. (110 g.)
Material: Light Alloy • Almite Finish (Body).
: Steel • Chromium Finish (Chain Guide)
Type: Lower Inlet Type
1-1/8"



Head Parts

Model UA-100
DURA-ACE
SPECIFICATIONS
Material: Chromium Bearing Steel (Main Parts)
Type: Road Type
Polished Ball Race



Shifting Lever

Model LD-500
BAR-END CONTROL
SPECIFICATIONS
Weight: 5.6 oz. (160 g.)/Pair
Material: Light Alloy
Attachment Position: Bar-End
Type: with Spiral Spring (Balance Spring)



Multiple Freewheel

Model FA-100 (5 Speed Gold)
FA-110 (6 Speed Gold)
SPECIFICATIONS
Standard Sprocket: 1/2" x 3/32" Chain (2mm.)
Thread: 1.37" x 24 T.P.I. (English)
Available by request 35 x 1.0 (French)
Sprocket: Golden Finish
Polished Ball Race
Standard Sprocket Combinations:
5-speed 13, 15, 17, 19, 21T
14, 16, 18, 20, 22T
15, 17, 19, 21, 24T
6-speed 13, 14, 15, 16, 17, 18T
13, 15, 17, 19, 21, 23T



Front Chainwheel

Model GA-200 (without Bottom Bracket Set)
QB-100 (Bottom Bracket Set)

DURA-ACE
SPECIFICATIONS
Material: 14S Super Duralumin • Almite Finish
Type: Cotterless
Chain Ring: 1/2" x 3/32" Chain (2mm.)
Teeth: Inner Chain Ring 39~48T
Outer Chain Ring 48~55T
Crank Lengths: 6-1/2" (165mm.), 6-3/4" (170mm.), 6-7/8" (175mm.)
Available by request 6-19/32" (167.5mm.), -13/16" (172.5mm.)
Crank Thread: 9/16" x 20T
Cup Thread: English 1.37" x 24T, French 35 x 1.0, Italian 35 x 24T
Material of Chain Ring:
Standard: 14S Duralumin (For Touring & Light Racing)
Option: 75S Extra Super Duralumin (For Serious Racing)
Spline Length:
English 107-110mm. (4 1/8"~4 3/8")
French 107-110mm. (4 1/8"~4 3/8")



Light Alloy Hub

Model HA-100: Small Flange Hub
DURA-ACE
SPECIFICATIONS
Weight: Front 7.8 oz. (220 g.)
: Rear 5-speed/10.7 oz. (305 g.)
: Rear 6-speed/10.9 oz. (310 g.)
Material: Duralumin • Almite Finish
Type: Side Pull with Quick Release and Tire Guide

Model HA-200: Large Flange Hub
DURA-ACE
SPECIFICATIONS
Weight: Front 9.2 oz. (260 g.)
: Rear 5-speed/11.6 oz. (330 g.)
: Rear 6-speed/11.8 oz. (335 g.)
Material: Duralumin • Almite Finish
Type: Quick release
Thread: 1.37" x 24 T.P.I. (English)
Available by request 35 x 1.0 (French)
Over Lock Nut Dimensions: Front 3.94" (100mm.)
Rear 5-speed/4.72" (120mm.)
Rear 6-speed/4.96" (126mm.)
Spoke Holes: 28H, 30H
Available by request 24H, 32H, 40H
Polished Ball Race



Caliper Brake

Model BA-100
DURA-ACE
SPECIFICATIONS
Weight: Front 6.8 oz. (195 g.)
: Rear 6.7 oz. (193 g.)
Material: Duralumin • Almite Finish
Type: Side Pull with Quick Release and Tire Guide



Brake Lever

Model MA-100
DURA-ACE
SPECIFICATIONS
Weight: 7.7 oz. (220 g.)/Pair
(Including Rubber Cover)
Material: Light Alloy • Almite Finish
Type: Hooded Lever with Rubber Cover
Lever Clamp Diameter: 23.86
Drilled Out Finish



DURA-ACE Black Series



Rear Derailleur

Model DC-200
SHIMANO-600
SPECIFICATIONS
Capacity: Front Difference/14 Teeth or Less
: Rear Largest Sprocket/28 Teeth or Less
Weight: 8.2 oz. (235 g.)
Material: Light Alloy • Almite Finish (Body)
: Steel • Satin Nickel Finish (Cage Plate)
Type: Servo Panta Mechanism
Option: Adaptor



Rear Derailleur

Model DC-210
SHIMANO-600GS
SPECIFICATIONS
Capacity: Front Difference/14 Teeth or Less
: Rear Largest Sprocket/34 Teeth or Less
Weight: 8.8 oz. (250 g.)
Material: Light Alloy • Almite Finish (Body)
: Steel • Satin Nickel Finish (Cage Plate)
Type: Servo Panta Mechanism
Option: Adaptor



Front Derailleur

Model EC-600
SHIMANO-600
SPECIFICATIONS
Capacity: 14 Teeth or Less
Weight: 4.68 oz. (133 g.)
Material: Steel • Satin Nickel Finish (Body)
Use: 10-Speed
Attachment Position: Bar-End
Type: With Spiral Spring (Balance Spring)
Clamp Diameter: 1-1/8"



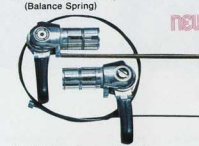
Shifting Lever

Model LB-600
SHIMANO-600
SPECIFICATIONS
Weight: 3.6 oz. (103 g.)
Material: Light Alloy
Type: One Way Clutch
Attachment Position: Down Tube
Lever Clamp Diameter: 1-1/8"



Shifting Lever

Model LD-500
BAR-END CONTROL
SPECIFICATIONS
Weight: 5.6 oz. (160 g.)/Pair
Material: Light Alloy • Black Almite Finish
Use: 10-Speed
Attachment Position: Bar-End
Type: With Spiral Spring (Balance Spring)



Multiple Freewheel

Model FC-600
SHIMANO-600
SPECIFICATIONS
Standard Sprocket: 1/2" x 3/32" Chain
Sprocket: Black Finish
Standard Sprocket Combinations:
5-speed 13, 14, 15, 16, 17 teeth
9.6 oz. (272 g.)
13, 15, 17, 19, 21 teeth
11.7 oz. (331.5 g.)



Front Chainwheel

Model GC-100 (without Bottom Bracket Set)
QB-200 (Bottom Bracket Set)
SHIMANO-600
SPECIFICATIONS
Material: 17S Duralumin • Almite Finish
Type: Cotterless
Chain Ring: 1/2" x 3/32" Chain (2 mm.)
Teeth: 30~53T
Crank Lengths: 6-1/2" (165mm.), 6-3/4" (170mm.)
Crank Thread: 9/16" x 20T
Cup Thread: English 1.37" x 24T, French 35 x 1.0, Italian 35 x 24T
Material of Chain Ring: 14S Super Duralumin
Available by Request: Triple Sprocket



Chain

Model GA-400
UNIGLIDE-600 (UG-600)
SPECIFICATIONS
Material: Steel
Surface Treatment: Roller Link Plate/Black Finish, Pin Link Plate/Golden Finish
Type: Roller Chain



Fork Ends

Model NB-100
SHIMANO-LF
SPECIFICATIONS
Weight: 8.2 oz. (235 g.)/Including Front & Rear
Material: Steel
Option: Axle Stopper Set



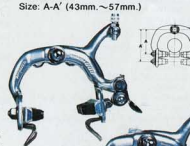
Light Alloy Hub

Model HB-100 (Large Flange Hub)
SHIMANO-600
SPECIFICATIONS
Weight: Front 9.7 oz. (275 g.)
: Rear 12.4 oz. (350 g.)
Material: Light Alloy
Type: Quick Release
Thread: 1.37" x 24 T.P.I. (English)
Over Lock Nut Dimensions:
Front 3.94" (100mm.), Rear 4.72" (120mm.)
Spoke Holes: 36H



Caliper Brake

Model BB-200
SHIMANO-600
SPECIFICATIONS
Weight: Front 6.0 oz. (170 g.)
: Rear 5.9 oz. (165 g.)
Material: Light Alloy • Almite Finish
Type: Side Pull with Quick Release and Tire Guide
Size: A-A' (43mm.~57mm.)



Caliper Brake

Model BB-100
CANTILEVER BRAKE
SPECIFICATIONS
Weight: 11.9 oz. (338 g.)
Material: Light Alloy and Steel
With Brake Mounting Shift
Option: Cable Hanger



Brake Lever

Model MB-210
SHIMANO-600
SPECIFICATIONS
Weight: 7.4 oz. (212 g.)/Pair (Including Rubber Cover)
Material: Light Alloy • Almite Finish
Type: Hooded Lever with Quick Release and Rubber Cover
Lever Clamp Diameter: 23.86



Shifting Lever

Model LB-180
QB-LEVER DX
SPECIFICATIONS
Weight: 3.1 oz. (88 g.)
Material: Light Alloy
Type: Friction Type
Attachment Position: Down Tube
Lever Clamp Diameter: 1-1/8"



Cable Parts



Brazed on Parts



SHIMANO-600 SERIES ROAD & TOURING ENSEMBLE



10mm Pitch Chaindriving System

DURA-ACE 10 SERIES TRACK ENSEMBLE



The Pitch Revolution That Has Changed The World Of Racing.....10mm. Pitch Series.

John Nicholson was crowned World Professional Sprint Champion after successfully defending his 1975 title in Italy during September, 1976.

Nicholson did more than prove himself the world's best sprinter...he proved Shimano's new Dura-Ace 10 Track System is the new standard among competitive bicycle components.

Dura-Ace 10 is the first major deviation from a standard that has existed in the bicycle industry since mass-production of bikes began some 100 years ago. It was so simple; Shimano reduced the distance between the sprocket teeth from the old 1/2" to the new 10mm. dimension. Ten millimeter pitch allows the front chainwheel and the rear sprockets to be made smaller, and the chain shorter. The smaller size means less weight and more rigidity and when rotating parts are lightened acceleration is increased.

Now competitors on Dura-Ace 10 can climb hills faster, jump out of corners more quickly, and get the lead in the sprint. If there were any doubts about the acceptance of Dura-Ace 10 then World Champion John Nicholson successfully has erased them.

Dura-Ace 10 Road System Components Ensemble will be introduced in 1977.

Front & Rear Hubs with Lock Ring

Model HA-310 DURA-ACE 10 SPECIFICATIONS

Weight: Front 8.4 oz. (240 g.) Rear 10.6 oz. (303 g.)

Material: Duralumin • Amite Finish
Over Lock Nut Dimensions:

Front 3.94" (100mm.)

Rear 4.33" (110mm.) 4.72" (120mm.)

Fork End Slot Width:

Front 0.354" (9mm.) 0.315" (8mm.)

Rear 0.394" (10mm.) 0.315" (8mm.)

Sprocket Thread: BC33 x 24 T.P.I.

Sprocket Holes: 32H, 32H, 30H

Lock Ring Thread: BC32 x 24 T.P.I. (Left)

Polished Ball Race

new 10 10 mm Pitch



Sprocket Length:



Front & Rear Hubs with Lock Ring

Model HA-300 DURA-ACE SPECIFICATIONS

Weight: Front 8.5 oz. (240 g.)

Rear 10.9 oz. (313 g.)

Material: Duralumin • Amite Finish

Type: Solid Axle

Thread: 1.37" x 24 T.P.I.

Over Lock Nut Dimensions:

Front 3.94" (100mm.)

Rear 4.23" (108mm.)

4.72" (120mm.)

Sprocket Holes: 28H, 32H, 36H

Lock Ring Thread: 1.29" x 24 T.P.I. (Left)

Polished Ball Race

new 10 10 mm Pitch



Front Chainwheel

Model GA-100 (without Bottom Bracket Set) GB-100 (Bottom Bracket Set) DURA-ACE SPECIFICATIONS

Material: 755 Extra Super Duralumin

• Amite Finish

Type: Cotterless

Chain Ring: 1/2" x 1/8" Chain

Teeth: 45-52T

Crank Lengths: 6-1/2" (165mm.), 6-3/4" (170mm.), 6-7/8" (175mm.)

Available by request 6-19/32" (167.5mm.)

6-13/16" (172.5mm.)

Crank Thread: 9/16" x 20T

Cup Thread: English 1.37" x 24T, French

35 x 1.0, Italian 36 x 24T

new 10 10 mm Pitch



Sprocket Length:



Sprocket for Track Hub

Model FA-200 DURA-ACE SPECIFICATIONS

Standard Sprocket: 1/2" x 1/8" Chain

Thread: 1.37" x 24 T.P.I.

Material: Chromium Molybdenum Steel

755 Extra Super Duralumin •

Special Surface Treatment

Weight:

Light Alloy Steel

13 0.36 oz. (10.3 g.) 1.07 oz. (30.4 g.)

14 0.46 oz. (13.5 g.) 1.36 oz. (38.5 g.)

15 0.55 oz. (15.7 g.) 1.67 oz. (47.3 g.)

16 0.63 oz. (18.0 g.) 1.89 oz. (53.5 g.)

new 10 10 mm Pitch



Head Parts

Model UA-200 DURA-ACE SPECIFICATIONS

Material: Chromium Bearing Steel (Main

Parts) / Polished Ball Race

new 10 10 mm Pitch



Chain

Model GA-100 DURA-ACE 10 SPECIFICATIONS

Material: Chromium

Molybdenum Steel

Type: Bushed Chain

new 10 10 mm Pitch



DURA-ACE 10—DURA-ACE Comparison Chart



Dura-Ace 10 series marked with a white square is shown together with Dura-Ace.

DURA-ACE 10—DURA-ACE Comparison Chart

Weight Comparison (Track Models)

	Dura-Ace 10	Dura-Ace	Saving
Right Hand Crank	8.4 oz. (239 g.)	9.8 oz. (277 g.)	1.4 oz. (38 g.)
Chainwheel (49T)	2.1 oz. (63 g.)	4.1 oz. (116 g.)	1.9 oz. (53 g.)
Chain	11.6 oz. (330 g.)	11.8 oz. (335 g.)	0.2 oz. (5 g.)
Rear Hub W/Lock Ring	10.7 oz. (303 g.)	11.3 oz. (320 g.)	0.6 oz. (17 g.)
Rear Sprocket (14T)	0.6 oz. (16 g.)	1.3 oz. (35 g.)	0.7 oz. (19 g.)
TOTAL	33.7 oz. (959 g.)	36.0 oz. (1012 g.)	2.3 oz. (63 g.)

Fork Ends

Model NC-100 SHIMANO-SFP SPECIFICATIONS

Material: Steel

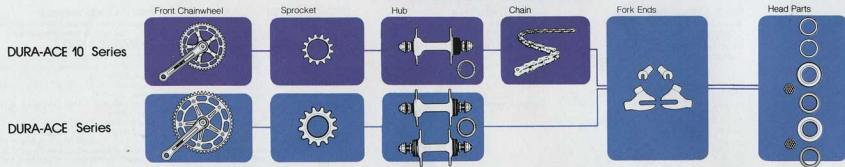
Specialty Ground Hub Connection Face—

on Both Sides



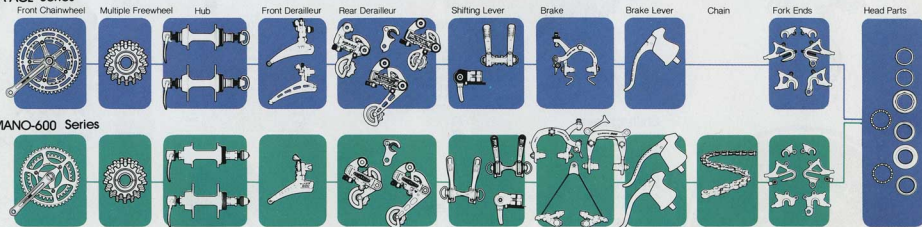
SYSTEM COMPONENTS CHART

TRACK RACING COMPONENTS



ROAD RACING COMPONENTS

DURA-ACE Series



Specifications are subject to change without notice.



SHIMANO

SHIMANO SALES CORPORATION
9259 San Fernando Road, Sun Valley California 91352
Tel. 213-767-7777

SHIMANO (EUROPA) GmbH.
4, Dusseldorf, Huttenstrasse 5, West Germany,
Tel. 372007/08

SHIMANO AMERICAN CORPORATION

SHIMANO INDUSTRIAL CO., LTD.