SHIMANO BICYCLE SYSTEM COMPONENTS

SHIMANO

DURA-ACE SERIES
ROAD ENSEMBLE



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



Rear Derailleur
Model DB-100
CRANE
SPECIFICATIONS
Capacity: Front Difference/14Teeth 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



Rear Derailleur
Model DB-110
CRANE-GS
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



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″



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)



Front Derailleur
Model EA-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″
Panta Mechanism



Front Derailleur
Model EA-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″
Panta Mechanism



Multiple Freewheel
Model FA-100 (5 Speed Gold)
FA-110 (6 Speed Gold)
DURA-ACE
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



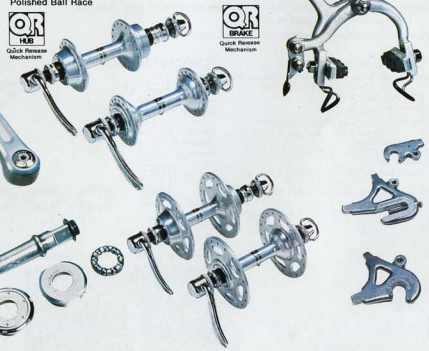
Head Parts
Model UA-100
DURA-ACE
SPECIFICATIONS
Material: Chromium Bearing Steel (Main Parts)
Type: Road Type
Polished Ball Race



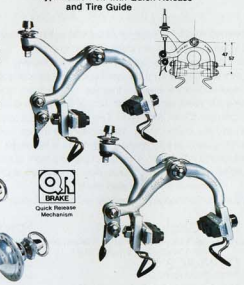
Front Chainwheel
Model GA-200 (without Bottom Bracket Set)
GB-100 (Bottom Bracket Set)
DURA-ACE
SPECIFICATIONS
Material: 14S Super Duralumin • Almite Finish
Type: Cotterless
Chain Ring: 1/2″ x 3/32″ Chain (2mm.)
Teeth: Inner Chain Ring 39~48T
Outer Chain Ring 48~55T
Crank Lengths: 6-1/2″ (165mm.), 6-3/4″ (170mm.), 6-7/8″ (175mm.)
Available by request 6-19/32″ (167.5mm.), 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
Material of Chain Ring:
Standard: 14S Duralumin (For Touring & Light Racing)
Option: 75S Extra Super Duralumin (For Serious Racing)
Spindle Length:



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.)
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, 36H
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: 23.8φ
Drilled Out Finish



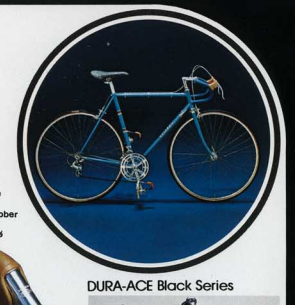
Fork Ends
Model NB-100
SHIMANO-SF
SPECIFICATIONS
Weight: 8.8 oz. (250 g.)
/Including Front & Rear
Material: Steel
Type: Road Type
With Adjusting Bolt
Specially Ground Hub Connection Face



Model NB-120
SHIMANO-SFR
SPECIFICATIONS
Weight: 5.1 oz. (147 g.)
/Rear Only
Material: Steel
Type: Touring Type
Vertical Drop Out
Specially Ground Hub Connection Face







DURA-ACE Black Series



Shimano also makes the complete range of Dura-Ace in an attractive corrosion resistant black anodized finish.



SHIMANO-600 SERIES
ROAD & TOURING ENSEMBLE

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



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″



Front Derailleur
Model EC-600
SHIMANO-600
SPECIFICATIONS
Capacity: 14 Teeth or Less
Weight: 4.66 oz. (133 g.)
Material: Steel • Satin Nickel Finish (Body and Chain Guide)
: Light Alloy • Almite Finish (Clamp)
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″

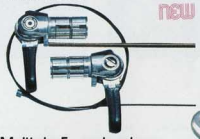


Cable Parts



Model KA-110
Model KB-160
Model KB-110
Use: 10 Speed and Bar-End Control

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.)



Brazed on Parts



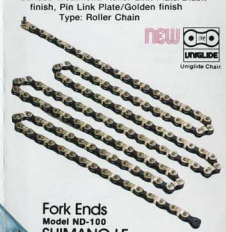
Model KA-310
Model KB-310 (FOR SHIMANO-600)
Model KB-300 (FOR QB-LEVER DX)
Model KA-300

Front Chainwheel
Model GC-100 (without Bottom Bracket Set)
GB-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 36 x 24t
Material of Chain Ring: 14S Super Duralumin
Available by Request: Triple Sprocket





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

Model NF-100
SHIMANO-PR
SPECIFICATIONS
Weight: 4.4 oz. (127 g.)/Rear Only
Material: Steel
Type: Vertical Drop Out

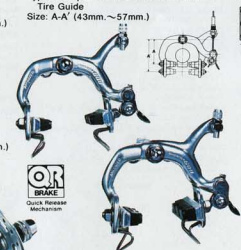


Light Alloy Hub
Model HB-100 (Large Flange Hub)
SHIMANO-600
SPECIFICATIONS
Weight: Front 9.7 oz. (275 g.)
: Rear 12.4 oz. (350 g.)
Material: Light Alloy
Type: Quick Release
Thread: 1.37″ x 24 T.P.I. (English)
Over Lock Nut Dimensions:
Front 3.94″(100mm.), Rear 4.72″(120mm.)
Spoke Holes: 36H

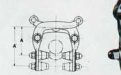
Model HB-200(Small Flange Hub)
SHIMANO-600
SPECIFICATIONS
Weight: Front 8.3 oz. (235 g.)
: Rear 12.0 oz. (340 g.)
Material: Light Alloy
Type: Quick Release
Thread: 1.37″ x 24 T.P.I. (English)
Over Lock Nut Dimensions:
Front 3.94″(100mm.), Rear 4.72″(120mm.)
Spoke Holes: 36H



Caliper Brake
Model BB-300
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-400
SHIMANO-600
SPECIFICATIONS
Material: Light Alloy • Almite Finish
Type: Center Pull with Link Mechanism

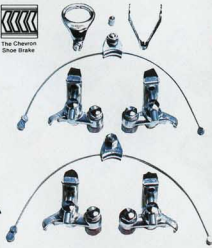


Type	A-A′	Weight (Pair)
CC-62	47mm.~62mm.	12.6 oz. (360 g.)
CC-75	57mm.~75mm.	12.95 oz. (370 g.)



Link Mechanism
The Chevron Shoe Brake

Caliper Brake
Model BE-100
CANTILEVER BRAKE
SPECIFICATIONS
Weight: 11.9 oz. (338 g.)
Material: Light Alloy and Steel
With Brake Mounting Shaft
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: 23.8φ

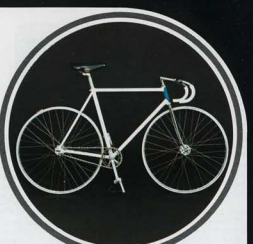


Model MB-200
SHIMANO-600
SPECIFICATIONS
Weight: 7.3 oz. (209 g.)
/Pair (Including Rubber Cover)
Material: Light Alloy • Almite Finish
Type: Hooded Lever with Rubber Cover
Drilled Out Finish
Lever Clamp Diameter: 23.8φ



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

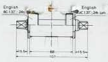
DURA-ACE 10

SPECIFICATIONS

Weight: Front 8.4 oz. (240 g.) Rear 10.6 oz. (303 g.)
Material: Duralmin • Almite 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.
Spoke Holes: 28H, 32H, 36H
Lock Ring Thread: BC32 x 24 T.P.I. (Left)
Polished Ball Race



Spindle Length:



Front Chainwheel

Model GA-110 (without Bottom Bracket Set)
GB-100 (Bottom Bracket Set)

DURA-ACE 10

SPECIFICATIONS

Material: 75S Extra Super Duralumin• Special Surface Treatment
Type: Cotterless
Chain Ring: 10mm. x 3mm.
Teeth: 46-55T
Crank Lengths: 6-1/2″ (165mm.), 6-3/4″ (170mm.)
Available by request 6-19/32″ (167.5mm.)
Crank Thread: 9/16″ x 20t
Cup Thread: English 1.37″ x 24t, French 35 x 1.0, Italian 36 x 24t



Sprocket for Track Hub

Model FA-210

DURA-ACE 10

SPECIFICATIONS

Material: Nickel Chromium • Molybdenum Steel
Standard Sprocket: 10mm. x 3mm.
Thread: BC33 x 24 T.P.I.
Teeth: 14, 15, 16



DURA-ACE 10—DURA-ACE Comparison



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)	2.2 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.)	11.0 oz. (313 g.)	0.3 oz. (10 g.)
Rear Sprocket (14T)	0.8 oz. (24 g.)	1.3 oz. (38 g.)	0.5 oz. (14 g.)
TOTAL	33.7 oz. (959 g.)	38.0 oz. 1,079 g.	4.3 oz. (120 g)

Chain

Model QA-100

DURA-ACE 10

SPECIFICATIONS

Material: Chromium • Molybdenum Steel
Type: Bushed Chain



DURA-ACE SERIES
TRACK ENSEMBLE

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 • Almite Finish
Type: Solid Axle
Thread: 1.37″ x 24 T.P.I.
Over Lock Nut Dimensions:
Front 3.94″ (100mm.)
Rear 4.33″ (110mm.), 4.72″ (120mm.)
Spoke Holes: 28H, 32H, 36H
Lock Ring Thread: 1.29″ x 24 T.P.I. (Left)
Polished Ball Race



Front Chainwheel

Model GA-100 (without Bottom Bracket Set)
GB-100 (Bottom Bracket Set)

DURA-ACE

SPECIFICATIONS

Material: 75S Extra Super Duralumin • Almite 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

Spindle 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 75S Extra Super Duralumin • Special Surface Treatment
Teeth: 13, 14, 15, 16.
Weight:

	Light Alloy	Steel
13	0.39 oz. (11.0 g.)	1.07 oz. (30.4 g.)
14	0.48 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.)



Fork Ends

Model HC-100

SHIMANO-SFP

SPECIFICATIONS

Material: Steel
Specially Ground Hub Connection Face—on Both Sides





Head Parts

Model UA-200

DURA-ACE

SPECIFICATIONS

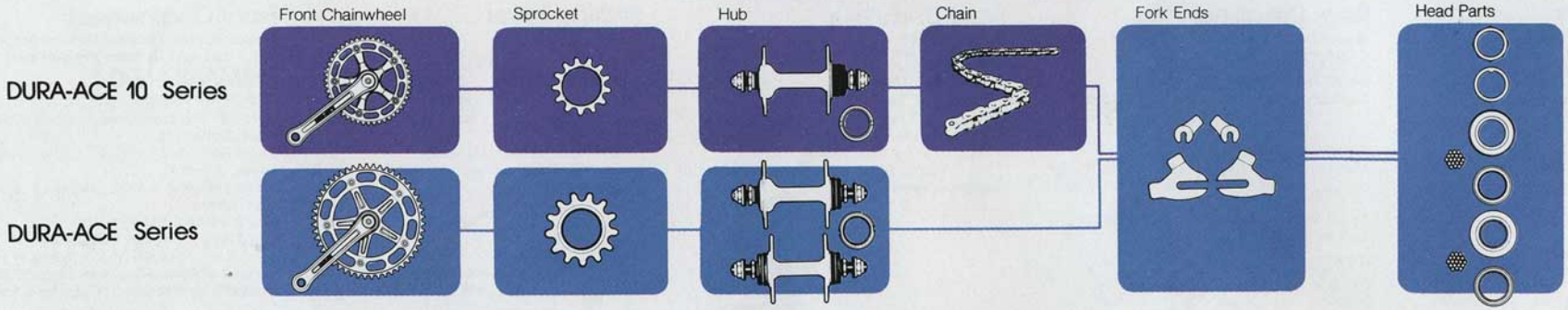
Material: Chromium Bearing Steel (Main Parts) / Polished Ball Race



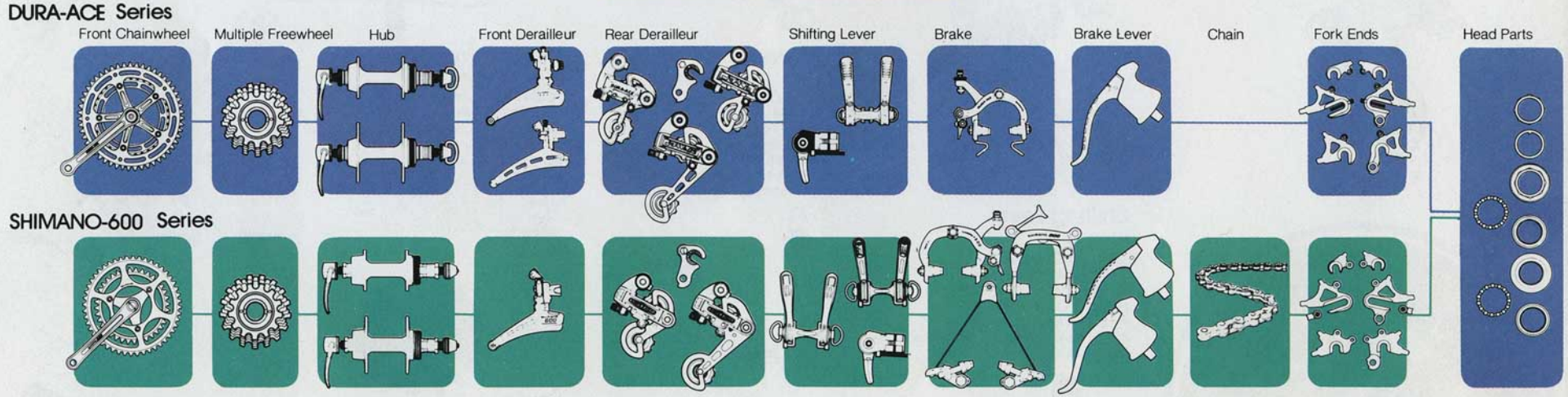


SYSTEM COMPONENTS CHART

TRACK RACING COMPONENTS



ROAD RACING COMPONENTS



Specifications are subject to change without notice.

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