SHIMANO Rear Derailleur

new

POSITRON

Presently, if you ride with a conventional 10-speed derailleur, you probably have noticed the necessity to continually make minute adjustments of the shifting lever to remain in gear. In fact, many new 10-speed riders do not learn how to center their chain over the rear sprocket, and they ride along with the chain skipping and making noise. Now, with the new Shimano POSITRON Rear Derailleur, anyone can make positive, smooth gear changes with complete accuracy. You don't need to make minor adjustments.

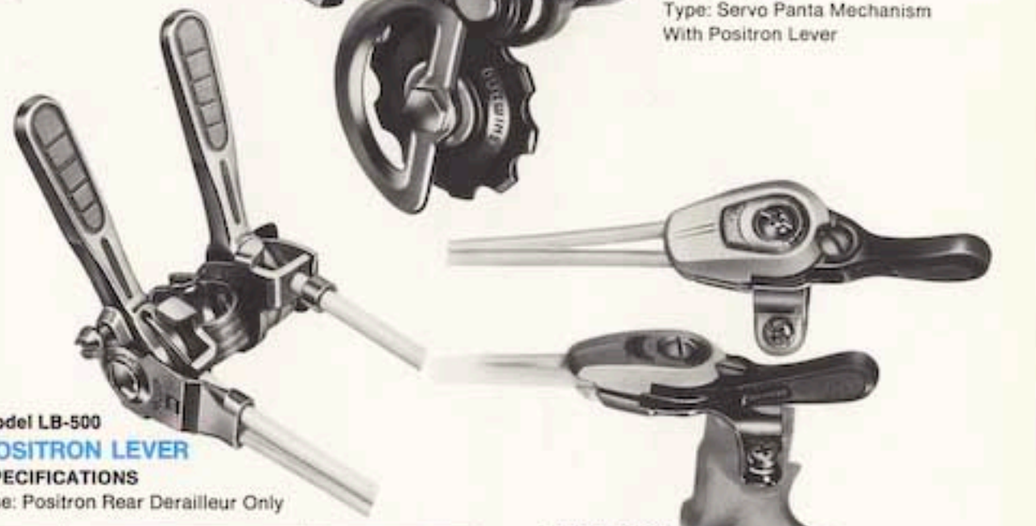


Model DG-100

POSITRON

SPECIFICATIONS

Capacity: Front Difference: 14 Teeth or Less
Rear Largest Sprocket : 34 Teeth or Less
Weight: 12.0 oz.(340g)
Material: Steel
Type: Servo Panta Mechanism With Positron Lever



Model LB-500

POSITRON LEVER

SPECIFICATIONS

Use: Positron Rear Derailleur Only

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1″, 1-1/8″
	Handle Stem	0.833″
Single Lever	Down and Top Tube	1″, 1-1/8″
	Handle Stem	0.833″

Model LB-510

POSITRON-EM

SPECIFICATIONS

Use: Positron Rear Derailleur Only
Attachment Position: Handle Bar
Clamp Diameter: 22.2φ
Type: Clamp or With BRAKE LEVER



Model DC-100

SHIMANO-500

SPECIFICATIONS

Capacity: Front Difference
14 Teeth or Less
Rear Largest Sprocket
28 Teeth or Less
Weight: 11.1 oz. (315 g)
Material: Light Alloy and Steel
Type: Servo Panta Mechanism

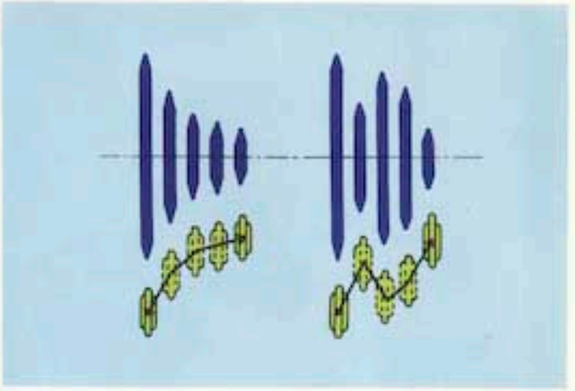


Model DC-110

SHIMANO-500GS

SPECIFICATIONS

Capacity: Front Difference
14 Teeth or Less
Rear Largest Sprocket
34 Teeth or Less
Weight: 11.9 oz. (340 g)
Material: Light Alloy and Steel
Type: Servo Panta Mechanism



Servo Panta Mechanism

With the servo pantograph system, no matter how the teeth are assembled, or even if the front double gear is used, the distance between the sprocket teeth and the guide pulley remains practically the same. The special automatic movement of the guide pulley leads the chain, so lever operation is light and gear changes are smooth. The cable saver is included on the Lark and Eagle models.

Capacity

A. Front Derailleur Capacity

This represents the range of a front derailleur in terms of the difference in the number of teeth between the largest and the smallest chain rings of the front chainwheel.

EXAMPLE:

Capacity: 14 teeth or less

In this case, the difference should be 14 teeth or less. If it is greater than 15, the front derailleur will not function properly.

B. Rear Derailleur Capacity

This expresses the range of a rear derailleur in terms of the difference in number of teeth between the largest and the smallest chain rings of the front chainwheel and the number of teeth of the largest multiple freewheel sprocket (low side).

EXAMPLE:

Capacity: Front chainwheel difference: 14 teeth or less
Rear Largest Sprocket: (low side) 28 teeth or less

Should this be the case, the difference in tooth number mentioned above must be 14 teeth or less, and the tooth number of the largest multiple freewheel sprocket (low side) 28 or less.

SHIMANO Rear Derailleur



Model DB-200

TITLIST

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
28 Teeth or Less
Weight: 9.9 oz. (280 g)
Material: Light Alloy (Body), Steel (Cage Plate)
Type: Servo Panta Mechanism



Model DB-300

TOURNEY

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
28 Teeth or Less
Weight: 10.6 oz. (300 g)
Material: Light Alloy and Steel
Type: Servo Panta Mechanism



Model DB-210

TITLIST-GS

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 10.9 oz. (310 g)
Material: Light Alloy (Body), Steel (Cage Plate)
Type: Servo Panta Mechanism



Model DB-310

TOURNEY-GS

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 or Less
Weight: 11.6 oz. (330 g)
Material: Light Alloy and Steel
Type: Servo Panta Mechanism



Model DE-100

EAGLE

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 12.3 oz. (350 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver and Derailleur Guard.



Model DE-200

EAGLE-SPO

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 12.3 oz. (350 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver and Derailleur Guard.



Model DE-110

EAGLE-GS

SPECIFICATIONS

Capacity: Front Difference:
18 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 13.4 oz. (380 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver and Derailleur Guard.



Model DE-210

EAGLE-GPO

SPECIFICATIONS

Capacity: Front Difference:
18 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 13.4 oz (380 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver and Derailleur Guard.

SHIMANO Rear Derailleur



Model DD-100

LARK-SS

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 11.3 oz. (320 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver.



Model DD-500

SKY LARK

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 11.3 oz. (320 g)
Material: Steel
Type: Servo Panta Mechanism



Model DD-200

LARK-SPO

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 10.9 oz. (310 g)
Material: Steel
Type: Servo Panta Mechanism
With Cable Saver.



Model DD-300

LARK-W

SPECIFICATIONS

Capacity: Front Difference:
14 Teeth or Less
Rear Largest Sprocket:
34 Teeth or Less
Weight: 12.7 oz. (360 g)
Material: Steel
Type: Servo Panta Mechanism
With Special Twist Grip Control Lever.

SHIMANO Front Derailleur



Model EC-100

SHIMANO-50

SPECIFICATIONS

Capacity: 14 Teeth or Less
Weight: 4.4 oz (125g)
Material: Steel
Type: Lower Inlet Type 1"
Lower Inlet Type 1-1/8"

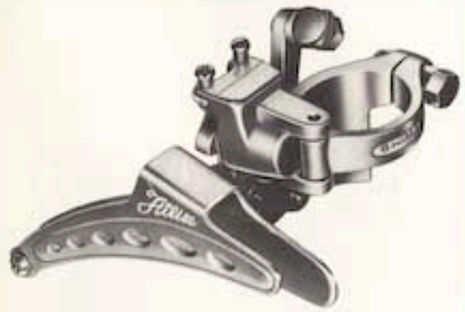


Model ED-100

THUNDER BIRD

SPECIFICATIONS

Capacity: 16 Teeth or Less
Weight: 6.7 oz. (190 g)
Material: Steel
Type: Upper Inlet Type 1" Upper Inlet Type 1-1/8"
Lower Inlet Type 1" Lower Inlet Type 1-1/8"



Model EB-100

TITLIST

SPECIFICATIONS

Capacity: 16 Teeth or Less
Weight: 4.9 oz. (140 g)
Material: Light Alloy (Body), Steel (Chain Guide)
Type: Lower Inlet Type 1-1/8"
Lower Inlet Type 1"



Model ED-200

THUNDER BIRD GPO

SPECIFICATIONS

Capacity: 16 Teeth or Less
Weight: 6.5 oz. (185 g)
Material: Steel
Type: Upper Inlet Type 1" Upper Inlet Type 1-1/8"
Lower Inlet Type 1" Lower Inlet Type 1-1/8"

SHIMANO Shifting Lever

new



Model LB-160

QB-LEVER

SPECIFICATIONS

Material: Light Alloy
Type: Friction Type

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"

new



Model LB-170

QP-LEVER

SPECIFICATIONS

Material: Resin
Type: Friction Type

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1" 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1" 1-1/8"
	Handle Stem	0.833"

new



Model LB-150

QS-LEVER

SPECIFICATIONS

Material: Light Alloy
Type: Friction Type

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"



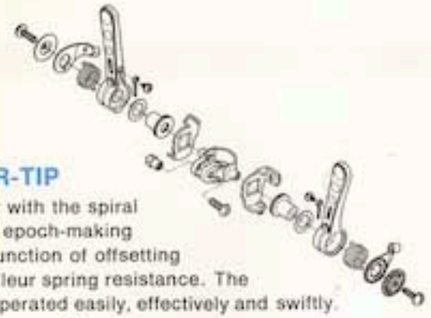
Model LB-100

ALMI LEVER

SPECIFICATIONS

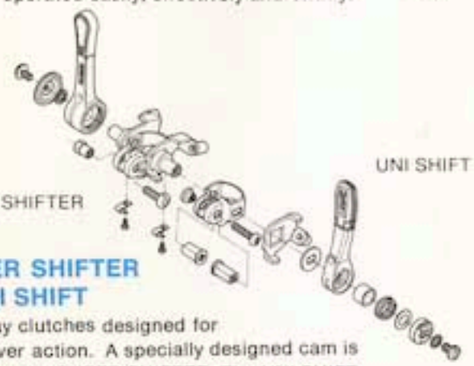
Material: Light Alloy
Type: Friction Type

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"



FINGER-TIP

The lever with the spiral spring is epoch-making with its function of offsetting the derailleur spring resistance. The lever is operated easily, effectively and swiftly.



SUPER SHIFTER

UNI SHIFT

SUPER SHIFTER & UNI SHIFT

One-way clutches designed for light lever action. A specially designed cam is built into the SUPER SHIFTER. The UNI SHIFT incorporates a special spring.



Model LB-300

SUPER SHIFTER

SPECIFICATIONS

Material: Light Alloy
Type: One Way Clutch (With Special Cam)

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"



Model LB-400

FINGER-TIP

SPECIFICATIONS

Material: Light Alloy
Type: With Spiral Spring (Balance Spring)

Type	Attachment Position	Clamp Diameter
Double Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"
Single Lever	Down and Top Tube	1", 1-1/8"
	Handle Stem	0.833"



Model LB-200

UNI SHIFT

SPECIFICATIONS

Material: Light Alloy
Type: One Way Clutch (With Special Spring)

Type	Attachment Position	Clamp Diameter
Double Lever	Down Tube	1-1/8"
	Handle Stem	0.833"
Single Lever	Down Tube	1-1/8"
	Handle Stem	0.833"

SHIMANO Shifting Lever



Model LD-400

W-GRIP CONTROL LEVER

SPECIFICATIONS

Use: 5-Speed Lark-W Derailleur Only
Attachment Position: Handle Bar



Model LD-200

TRIGGER LEVER

SPECIFICATIONS

Use: Three Speed Hub
Attachment Position: Handle Bar



Model LD-300

TWIST GRIP CONTROL

SPECIFICATIONS

Use: Three Speed Hub
Attachment Position: Handle Bar-End



SHIMANO Freewheel



Models FC-300 (Standard)
FC-330 (with Seal & Top Protector)

MULTIPLE FREEWHEEL

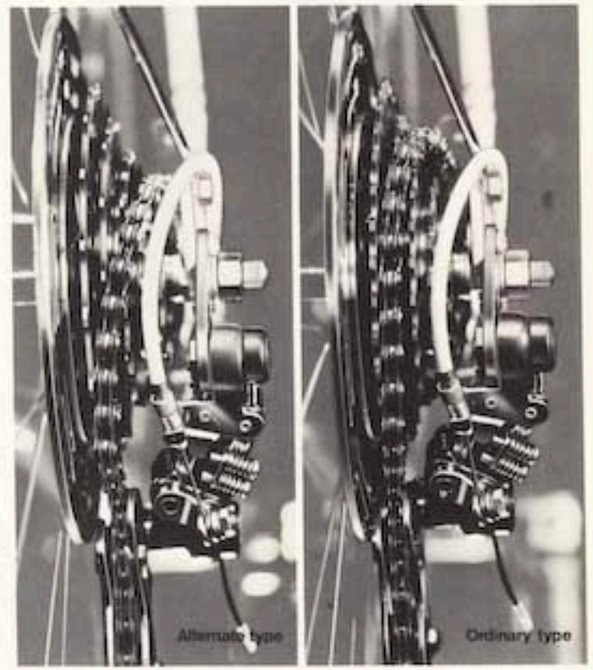
SPECIFICATIONS

Standard Sprocket: 1/2″ x 3/32″ Chain (2mm)
Thread: 1.37″ x 24″ T.P.I.
Standard Sprocket Combinations: 5-speed

15, 17, 19, 21, 24T	14, 17, 21, 26A, 32AT (LT)
14, 17, 20, 24, 28T	14, 17, 22, 28A, 34AT
14, 17, 22, 27, 32T	14, 17, 22, 28A, 34AT (LT)
14, 17, 21, 26A, 32AT	

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

A new wide range of freewheels has just been introduced by Shimano. This rear cluster has a broad range of gears, for example, starting with 14, and going to 17-22-28 and 34 teeth. Available in Regular Type; with Top Protector, with Seal and Alternate Teeth Type. Easily removed from the hub with a special tool. The spline system makes it possible to change the sprockets. Every other tooth in the two ultra-low (big) gears has been removed. This makes it easier to shift up into these low gears because the chain does not "hang up".





Model FB-100

SINGLE FREEWHEEL

Thread: 1.37″ x 24 T.P.I.
Sprocket

1/2″ x 1/8″ x 16 teeth	1/2″ x 1/8″ x 20 teeth
1/2″ x 1/8″ x 18 teeth	1/2″ x 1/8″ x 22 teeth
1/2″ x 1/8″ x 19 teeth	1/2″ x 1/8″ x 24 teeth

new



Model HC-210

SMALL FLANGE HUB WITH QUICK RELEASE

SPECIFICATIONS

Weight: Front 8.3 oz.(235 g), Rear 12.3 oz.(350 g)
Material: Light Alloy
Type: Quick Release
Thread: 1.37″ x 24 T.P.I.
Over Lock Nut Dimensions:
Front 3.78″ (96mm), Rear 4.88″ (124mm)
Spoke Holes: 36 x 36H

new



Model HC-200

SMALL FLANGE HUB

SPECIFICATIONS

Weight: Front 6.3 oz.(180 g), Rear 10.9 oz.(310 g)
Material: Light Alloy
Type: Solid Axle Type with Hub Nut
Thread: 1.37″ x 24 T.P.I.
Over Lock Nut Dimensions:
Front 3.66″ (93mm), Rear 4.88″ (124mm)
Spoke Holes: 36 x 36H



Model HC-110

LARGE FLANGE HUB WITH QUICK RELEASE

SPECIFICATIONS

Weight: Front 9.5 oz. (270 g), Rear 12.7 oz. (360 g)
Material: Light Alloy
Type: Quick Release
Thread: 1.37″ x 24 T.P.I.
Over Lock Nut Dimensions:
Front 3.78″ (96mm), Rear 4.88″ (124mm)
Spoke Holes: 36 x 36H

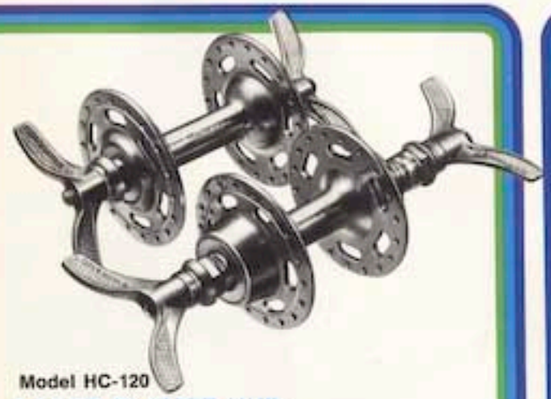


Model HC-100

LARGE FLANGE HUB

SPECIFICATIONS

Weight: Front 7.4 oz. (210 g), Rear 11.6 oz. (330 g)
Material: Light Alloy
Type: Solid Axle Type with Hub Nut
Thread: 1.37″ x 24 T.P.I.
Over Lock Nut Dimensions:
Front 3.66″ (93mm), Rear 4.88″ (124mm)
Spoke Holes: 36 x 36H



Model HC-120

LARGE FLANGE HUB WITH WING NUT

SPECIFICATIONS

Weight: Front 8.2 oz. (230 g), Rear 12.3 oz. (350 g)
Material: Light Alloy
Type: Solid Axle Type with Wing Nut
Over Lock Nut Dimensions:
Front 3.66″ (93mm), Rear 4.88″ (124mm)
Spoke Holes: 36 x 36H



Model HD-100

STEEL HUB

SPECIFICATIONS

Weight: 15.9 oz. (450 g)
Material: Steel
Type: Solid Axle with Hub Nut
Over Lock Nut Dimensions:
Front 3.66″ (93mm), Rear 4.88″ (124mm)
Spoke Holes: 28H and 36H

new

AUTO ADJUST

Auto Adjust

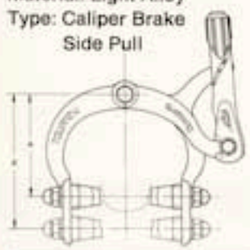
Model BB-210

TOURNEY

SPECIFICATIONS

Material: Light Alloy

Type: Caliper Brake Side Pull



Type	A-A′	Weight (Pair)
CS-72A	54mm—72mm	11.5 oz. (325 g)
CS-79A	61mm—79mm	11.8 oz. (335 g)
CS-88A	70mm—88mm	12.2 oz. (345 g)

The AUTO ADJUST is designed to execute the automatic compensation of the rim-brake shoe clearances which change as brake shoes are worn or the brake wire is stretched. With the AUTO ADJUST, an optimum gap can always be maintained between the brake lever and the handle bar. As a result, greater riding safety is insured.



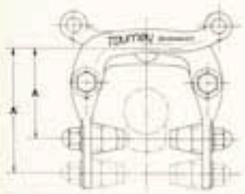
Model BB-110

TOURNEY

SPECIFICATIONS

Material: Light Alloy

Type: Caliper Brake Center Pull



Type	A-A′	Weight (Pair)
CC-65A	47mm—65mm	18.2 oz. (515 g)
CC-75A	57mm—75mm	18.5 oz. (525 g)



Caliper Brake

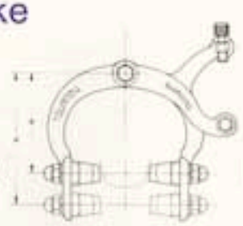
Model BB-200

TOURNEY

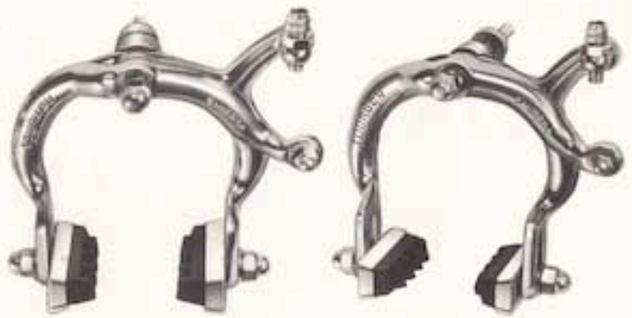
SPECIFICATIONS

Material: Light Alloy

Type: Caliper Brake Side Pull



Type	A-A′	Weight (Pair)
CS-72	54mm—72mm	10.1 oz. (285 g)
CS-79	61mm—79mm	10.4 oz. (295 g)
CS-82	70mm—88mm	10.8 oz. (305 g)



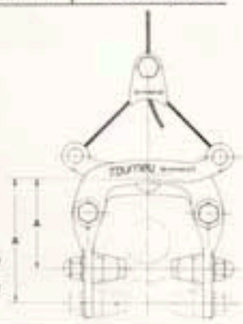
Model BB-100

TOURNEY

SPECIFICATIONS

Material: Light Alloy

Type: Caliper Brake Center Pull



Type	A-A′	Weight (Pair)
CC-65	47mm—65mm	12.7 oz. (360 g)
CC-75	57mm—75mm	13.1 oz. (370 g)



Brake Lever



Model MD-100

POPULAR LEVER

SPECIFICATIONS

Material: Light Alloy

Clamp Diameter: 22.2φ

Model MC-100

TOURIST LEVER

SPECIFICATIONS

Material: Light Alloy

Clamp Diameter: 22.2φ



Model MB-100

HOODED LEVER

SPECIFICATIONS

Material: Light Alloy

Clamp Diameter: 22.2φ, 23.8φ

Model MB-110

DUAL EXTENSION LEVER

SPECIFICATIONS

Material: Light Alloy

Clamp Diameter: 22.2φ, 23.8φ

SHIMANO Coaster Brake

new



Model CC-100

MIGHTY MITE

Economical Coaster Brake with lightweight and compact design. Safe and easy to operate for children weighing less than 70 pounds.

SPECIFICATIONS

Weight: 21.0 oz. (595 g)
Teeth: 14, 15, 16, 18, 19, 20
Over Lock Nut Dimension: 4.29″ (109mm)
Sprocket: For 1/2″ x 1/8″ Chain
Spoke Holes: 20H, 24H, 28H
Riders Weight: 70 lb or less
Wheel: 20″ or less



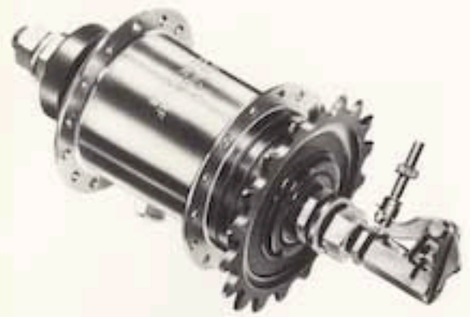
Model CB-100

COASTER BRAKE B TYPE

SPECIFICATIONS

Weight: 30.0 oz. (850g)
Teeth: 14, 15, 16, 18,19, 20
Over Lock Nut Dimension: 4.29″ (109mm)
Sprocket: 1/2″ x 1/8″ Chain
Spoke Holes: 20H, 24H, 28H, 36H

SHIMANO Hub Gear

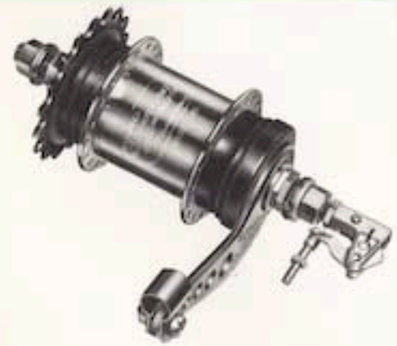


Model TB-100

THREE SPEED HUB

SPECIFICATIONS

Weight: 38.8 oz. (1,100 g)
Teeth: 14, 15, 16, 18, 19, 20
Gear Ratio: (H) 1:1.33 (N) 1:1 (L) 1:0.75
Over Lock Nut Dimension: 4.37″ (110.9mm)
Sprocket: 1/2″ x 1/8″ Chain
Spoke Holes: 28H, 36H



Model TC-100

THREE SPEED COASTER BRAKE CARTRIDGE TYPE

SPECIFICATIONS

Weight: 47.5 oz. (1,320 g)
Teeth: 14, 15, 16, 18, 19, 20
Gear Ratio: (H) 1:1.33 (N) 1:1 (L) 1:0.75
Over Lock Nut Dimension: 4.76″ (120.0mm)
Sprocket: 1/2″ x 1/8″ Chain
Spoke Holes: 28H, 36H



Model AB-100

AUTOMATIC 2-SPEED HUB

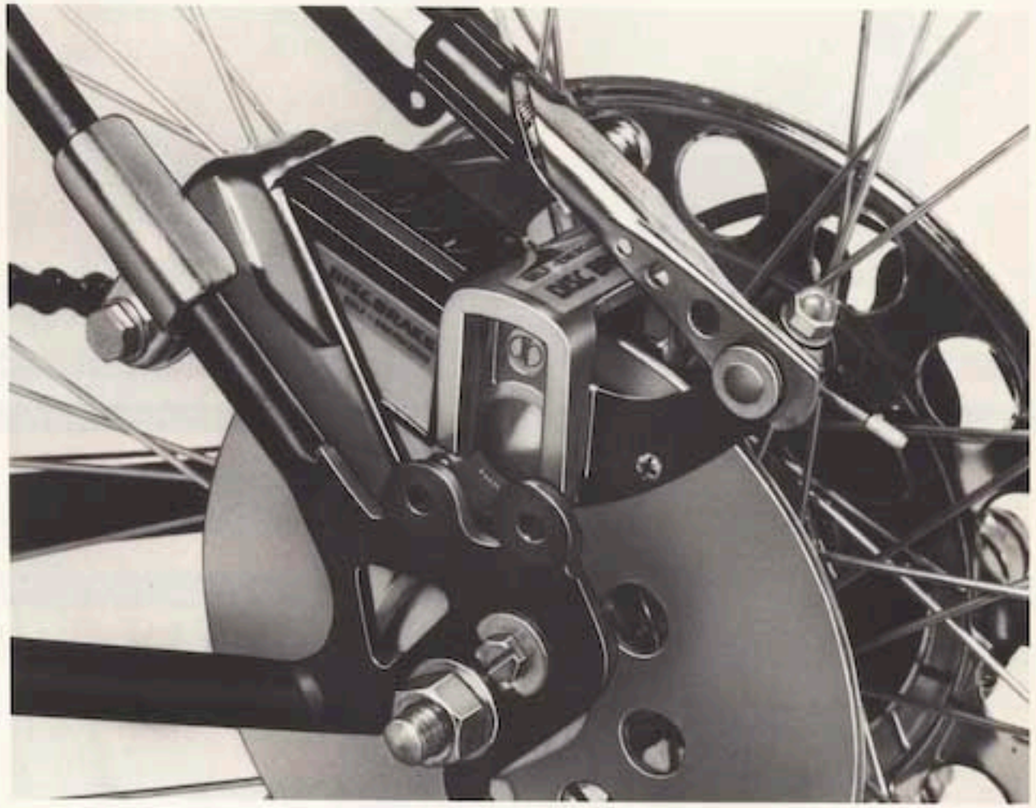
With the "Auto-2" the gear shifts automatically from low to high and vice versa according to the running speed of the bicycle. No shifting is required, so even a beginner can use it for easier, safer cycling.

SPECIFICATIONS

Weight: 49.4 oz. (1,400 g)
Teeth: 14, 15, 16, 18, 19, 20
Gear Ratio: (H) 1:1 (L) 1:0.74
Over Lock Nut Dimension: 4.40″ (112.0mm)
Sprocket: 1/2″ x 1/8″ Chain
Spoke Holes: 28H, 36H

SHIMANO Disc Brake

new



Model BC-300

DISC BRAKE WITH AUTO ADJUST

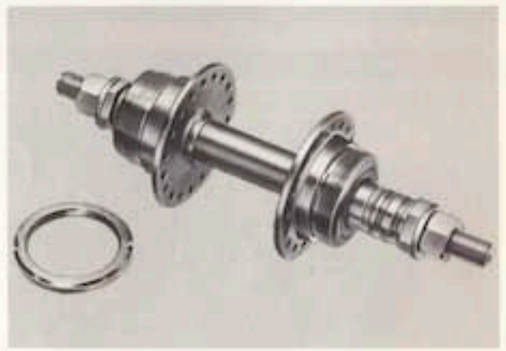
Features

*Strong Braking Force
Free from braking shocks. The bicycle stops smoothly and surely. Superior in braking force to any other type of brake.

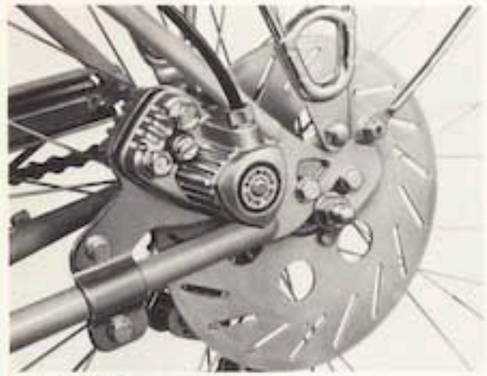
*No Slippage Even in Rain
Rain or shine, there is almost no change in braking efficiency, thanks to a unique design. This means greater safety for cyclists.

*Long Pad (Friction Plate) Life
The pads are made of special material to increase wear resistance. Their service life is greatly extended.

*Easy Installation and Adjustment
Marked mechanical improvements have been made and the design has been simplified for quicker and easier installation, adjustment and pad replacement.



SHIMANO Protector



Model BC-200

HYDRAULIC DISC BRAKE

Features

*Outstanding All-Weather Performance
Its performance is outstanding under all road conditions and remains consistently high, rain or shine. The brake pads clamp the brake disc securely even when soaked wet with rain water. Because the brake is applied hydraulically, there is no danger of wheel locking, causing the bicycle to skid.

*No loss of transmitted braking power
The hydraulic transmission braking system is free from power loss due to cable friction or other causes.

*Smooth and shockless
A powerful braking force free of the danger of locking wheels means that bicycle comes to a stop smoothly and without shock. There is no danger of skidding or failing in emergency stops.

*Rust-proof
Made of stainless steel, the brake disc always remains completely free of rust.

*High durability
The brake pads developed especially by SHIMANO for this hydraulic disc brake feature marked durability and withstand the severest punishment.

*Strong, resilient nylon hose
The nylon connecting hose employed in the hydraulic system is strong and resilient.





Model PB-130

SPOKE PROTECTOR

SPECIFICATIONS

Diameter: 7-1/2″ (190mm)
Use Range: Low Sprocket 26 & 28 teeth



Model PB-140

SPOKE PROTECTOR

SPECIFICATIONS

Diameter: 8-1/2″ (215mm)
Use Range: Low Sprocket 32 & 34 teeth

Spoke & Nipple

