

A COMPLETE

Rear derailleurs
Front derailleurs
Shifting levers
Freewheels
Light alloy hubs
Front chainwheels
Hub gears
Caliper brakes
Coaster & Disc brakes
Head parts & Fork ends
Spoke protectors
Universal cables
Outer casing & Inner cables
Outer bands/Special tools

LINE OF



SHIMANO



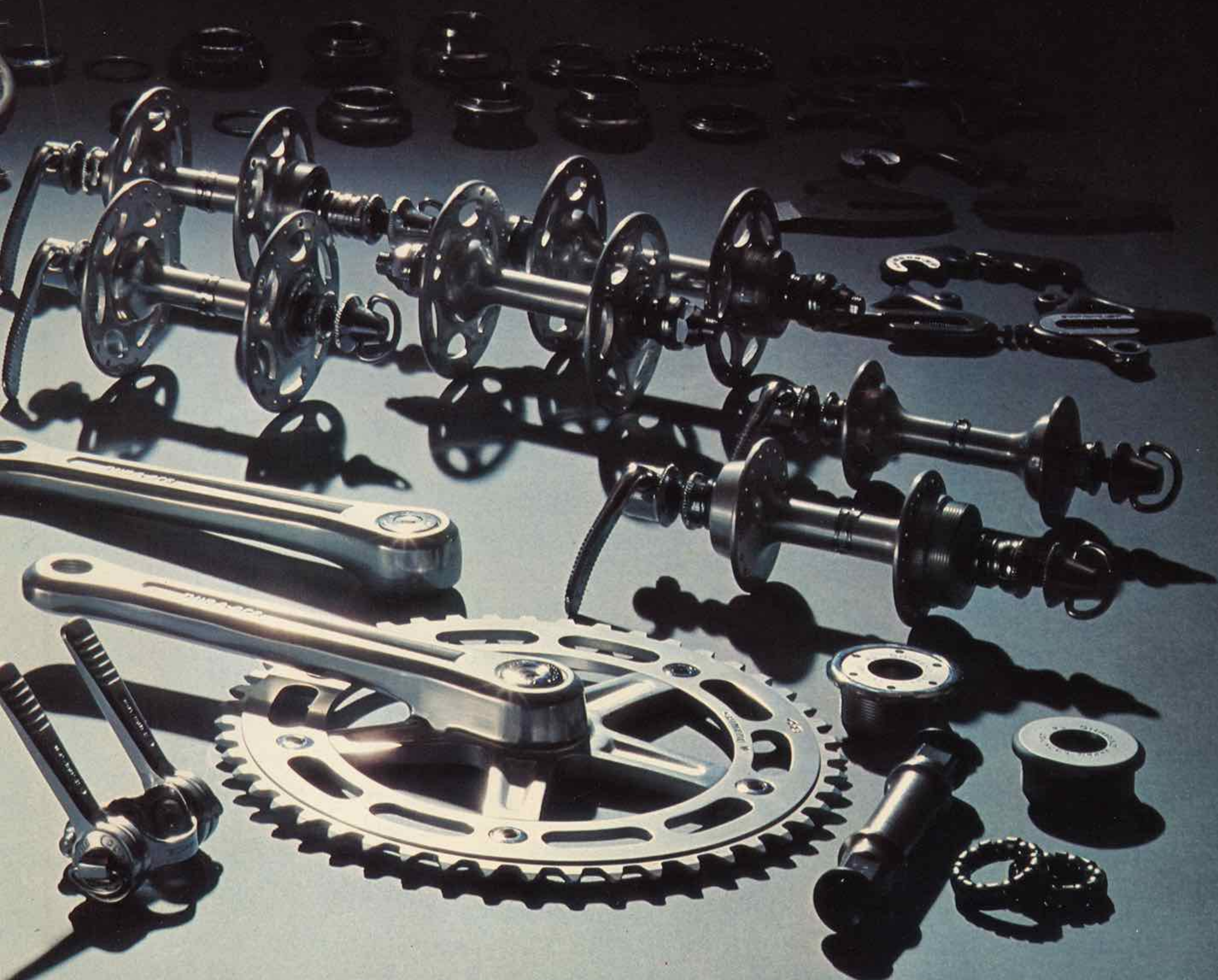
SHIMANO

Shimano DURA-ACE Series



The Dura-Ace series of bicycle components is the best to be found anywhere. Produced with extra time and attention to detail, the Dura-Ace line surpasses the demands of the most severe cyclist. If only the best is good enough, or if competitive performance is essential, then Dura-Ace will become the center of the cyclist's riding satisfaction.

Each part in the Dura-Ace series is engineered to be light and strong. Shimano's research teams developed a special "micra" alloy which is precision cold-forged into a final lustrous, jewel-like finish. Those who know quality in bicycle components demand the non-compromising value of Dura-Ace.

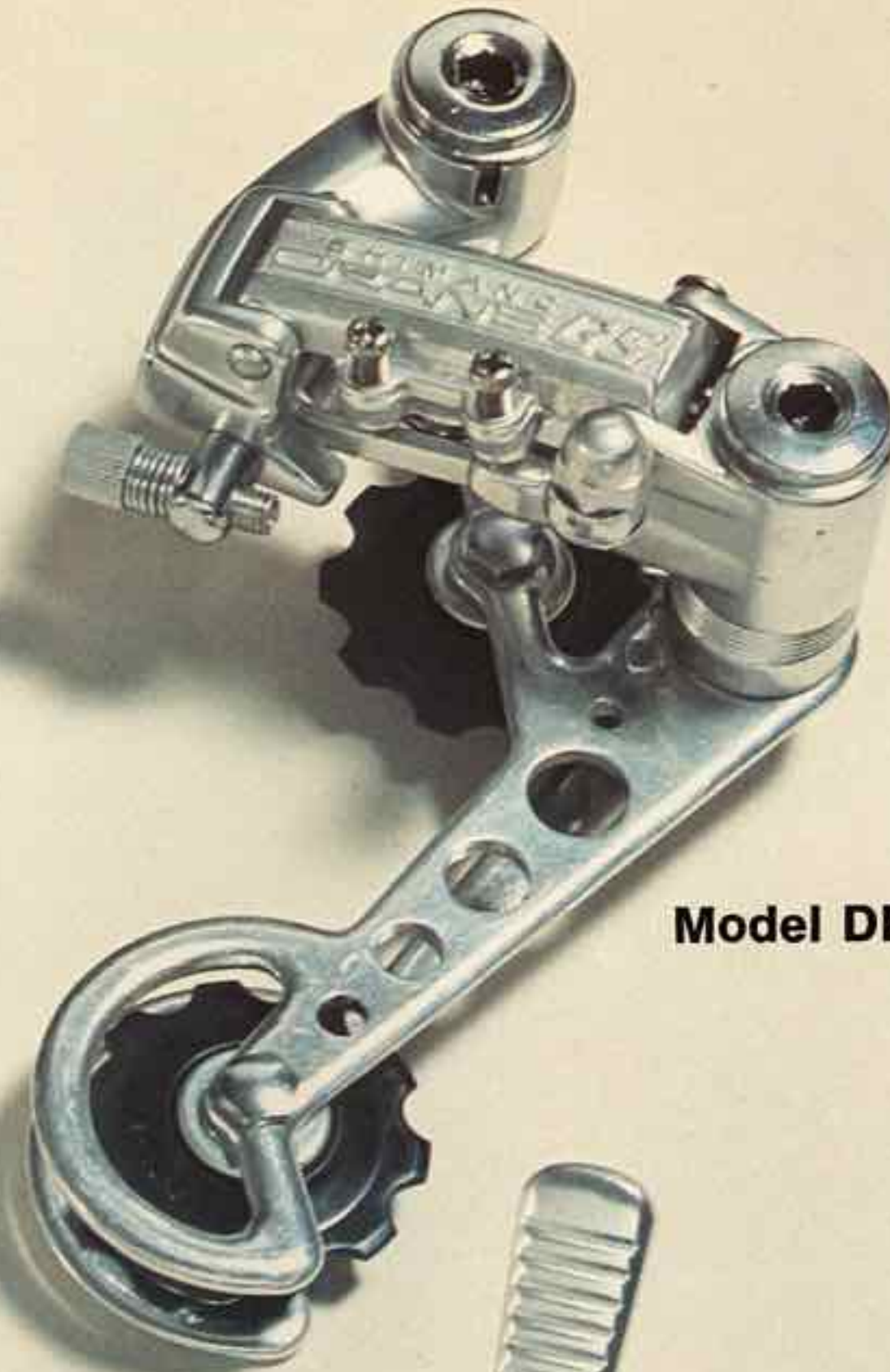




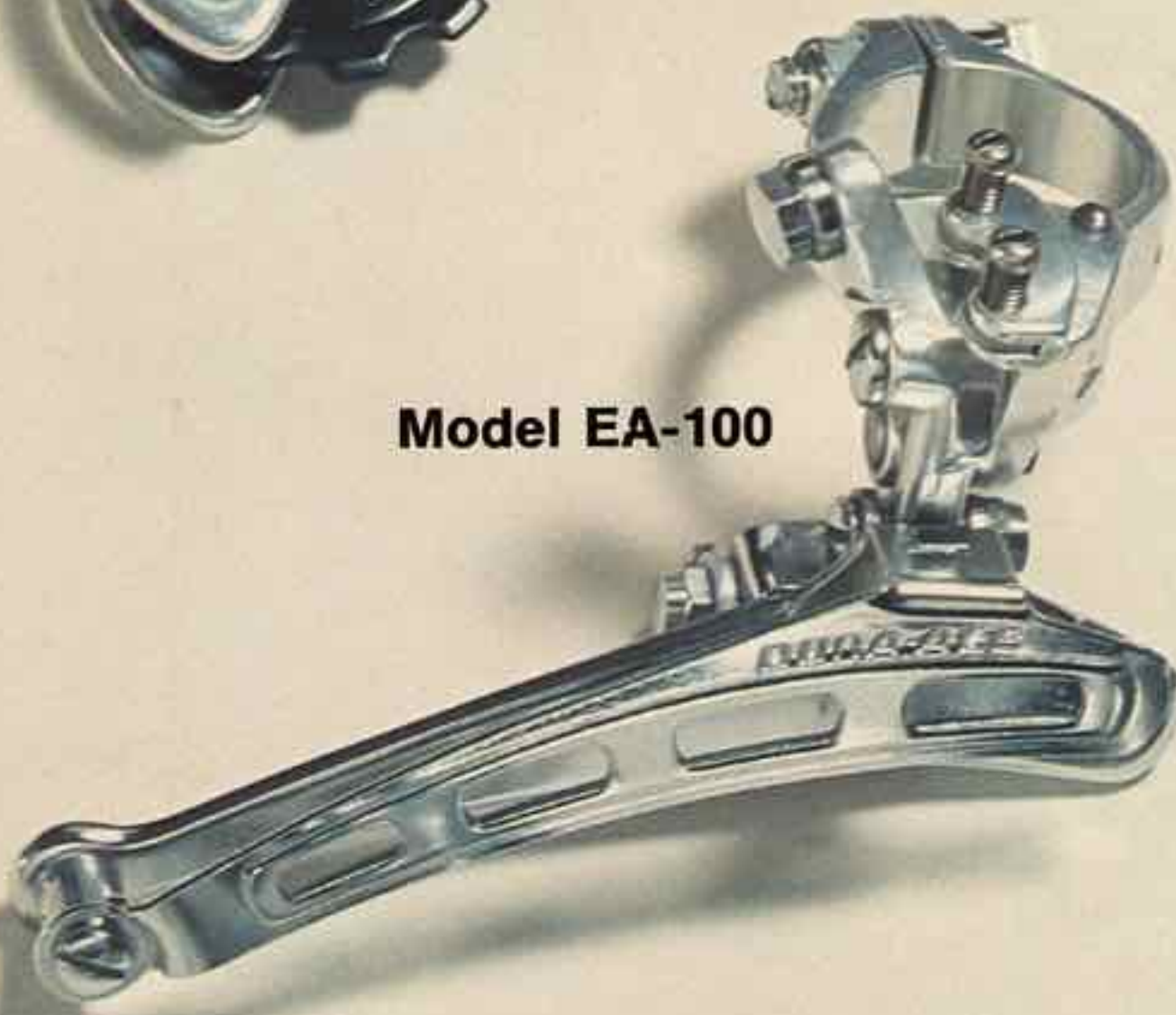
Shimano
DURA-ACE
Series for Road & Touring



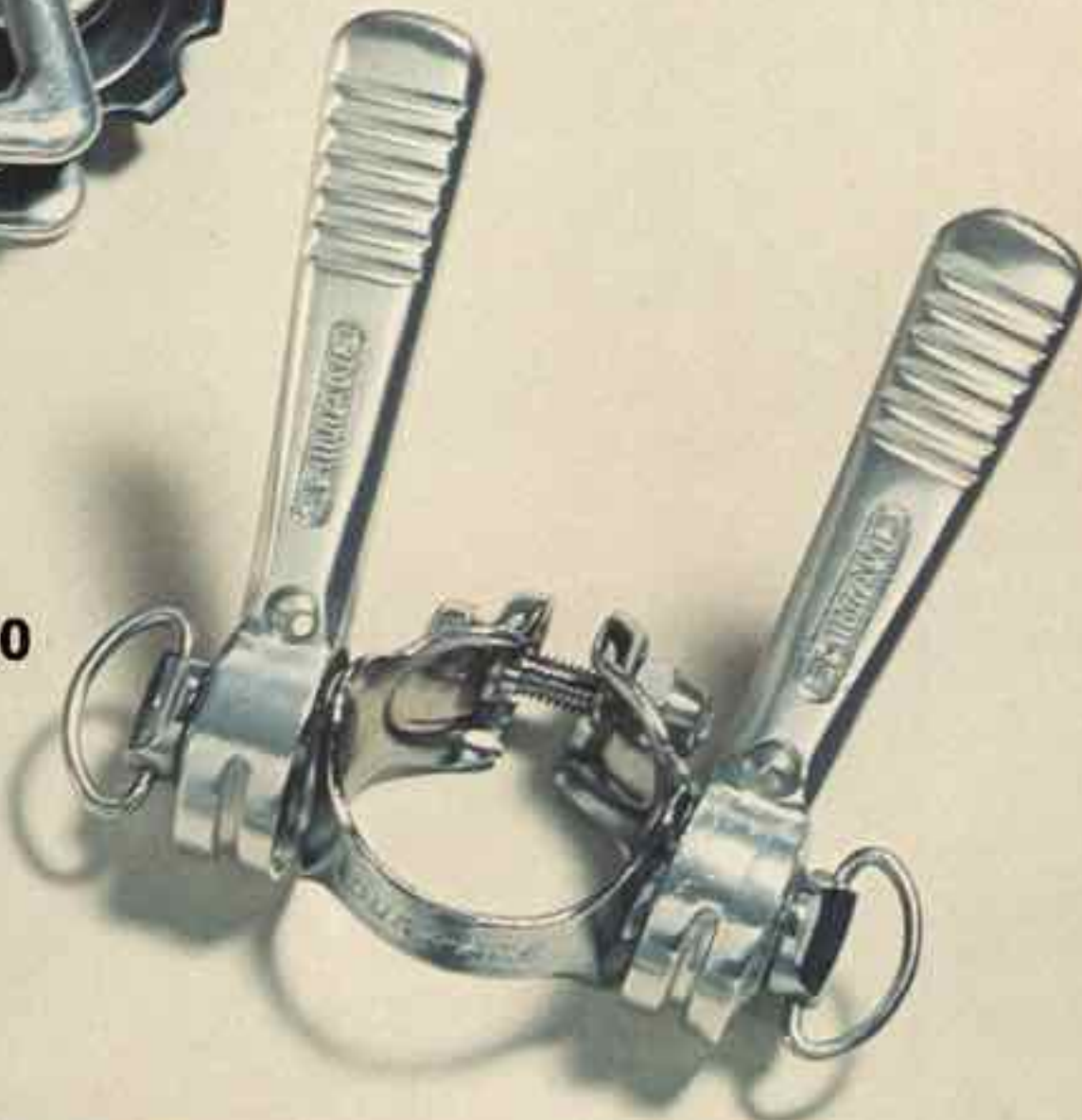
Model DB-100



Model DB-110



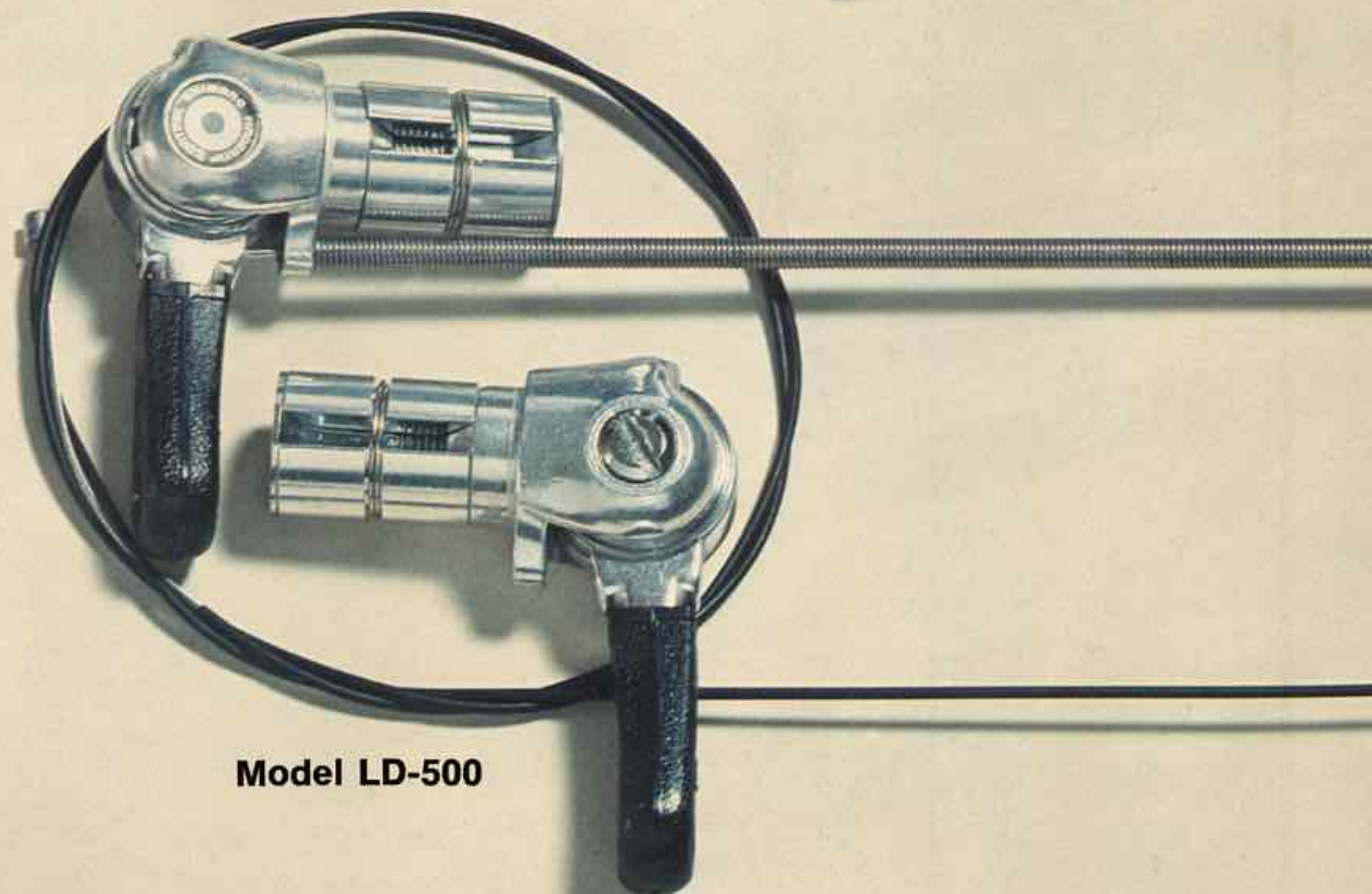
Model EA-100



Model LA-100



Model KA-100



Model LD-500



Model KA-110



Model KB-110

Rear Derailleurs

Model DB-100

CRANE

SPECIFICATIONS

Capacity: Front Difference: 14 Teeth or Less
Rear Largest Sprocket: 28 Teeth or Less
Weight: 7.9 oz. (225 g)
Material: Light Alloy
Type: Servo Panta Mechanism
Option: Adaptor

Model DB-110

CRANE-GS

SPECIFICATIONS

Capacity: Front Difference: 14 Teeth or Less
Rear Largest Sprocket: 34 Teeth or Less
Weight: 9.5 oz. (270 g)
Material: Light Alloy
Type: Servo Panta Mechanism (Long Cage Plate)
Option: Adaptor

Front Derailleur

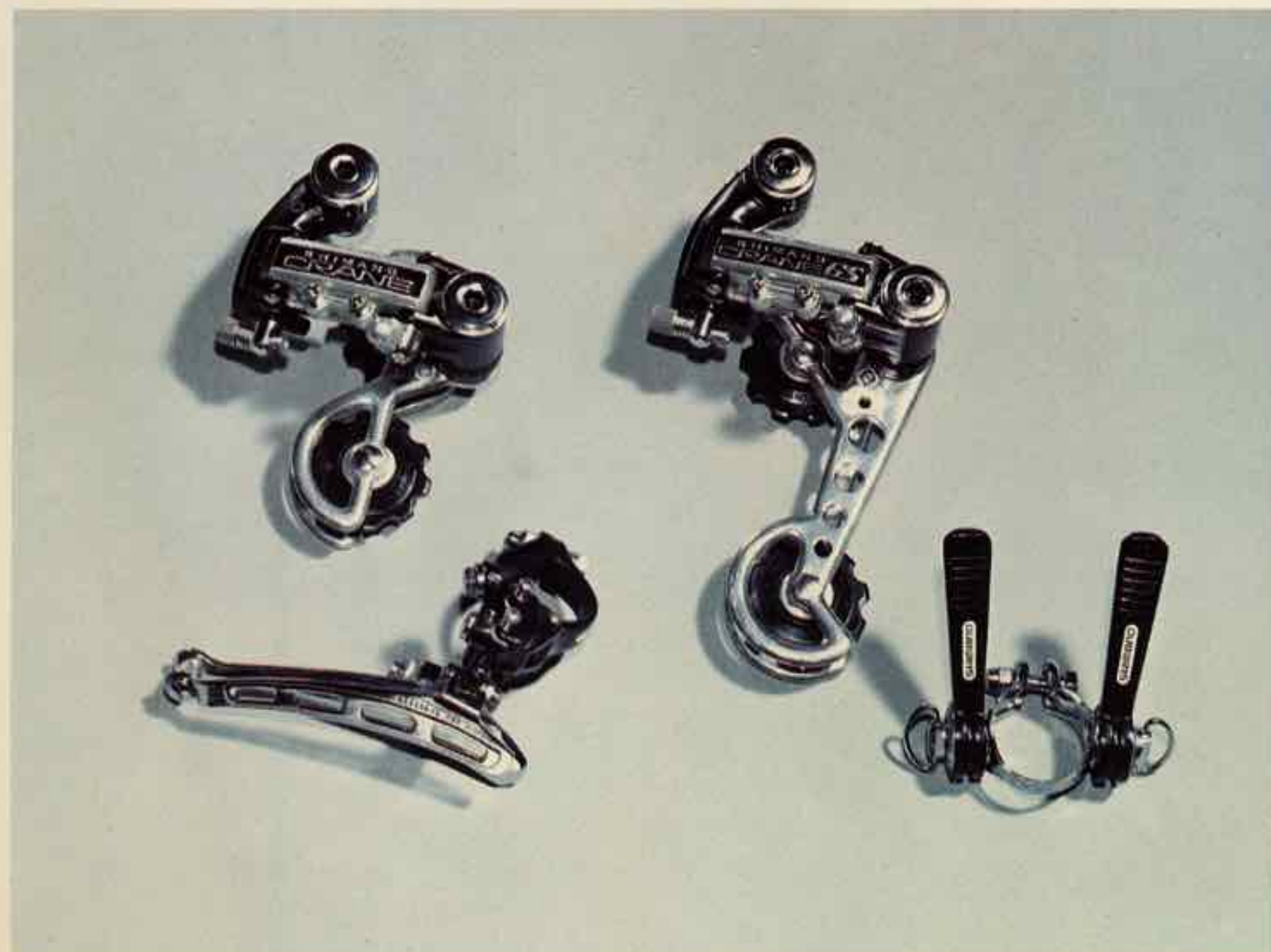
Model EA-100

DURA-ACE

SPECIFICATIONS

Capacity: 16 Teeth or Less
Weight: 3.7 oz. (105 g)
Material: Light Alloy (Body), Steel (Chain Guide)
Type: Lower Inlet Type 1-1/8"

DURA-ACE Black Series



Shifting Lever

Model LA-100

DURA-ACE

SPECIFICATIONS

Weight: 2.65 oz. (75 g)
Material: Light Alloy
Type: Double Lever
Lever Clamp Diameter: 1-1/8"

Model LD-500

BAR-END CONTROL

SPECIFICATIONS

Weight: 2.8 oz. (80 g)
Material: Light Alloy
Use: 10-speed
Attachment Position: Bar-End
Type: With Spiral Spring (Balance Spring)

Cable Parts

Model KA-100

CABLE GUIDE

SPECIFICATIONS

Clamp Diameter: 1-1/8"
Material: Steel
Use: For 10 Speed

Model KA-110

OUTER STOPPER

SPECIFICATIONS

Clamp Diameter: 5/8"
Material: Steel

Model KB-110

OUTER STOPPER

SPECIFICATIONS

Clamp Diameter: 1-1/8"
Material: Steel
Use: For 10 Speed
For Bar-End Control





Shimano
DURA-ACE
Series for Road & Touring



Model FA-100



Model FA-110



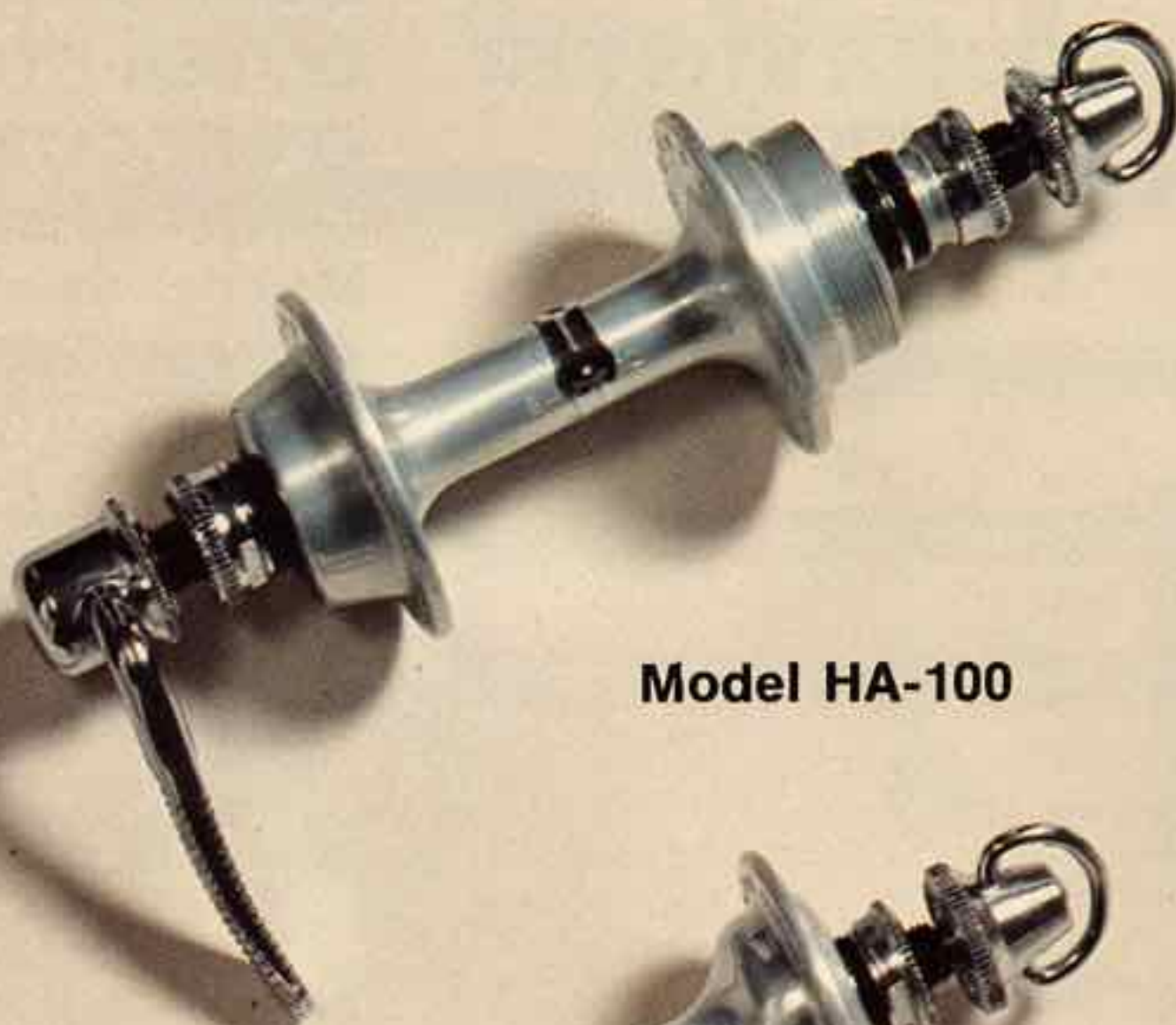
Model FA-300



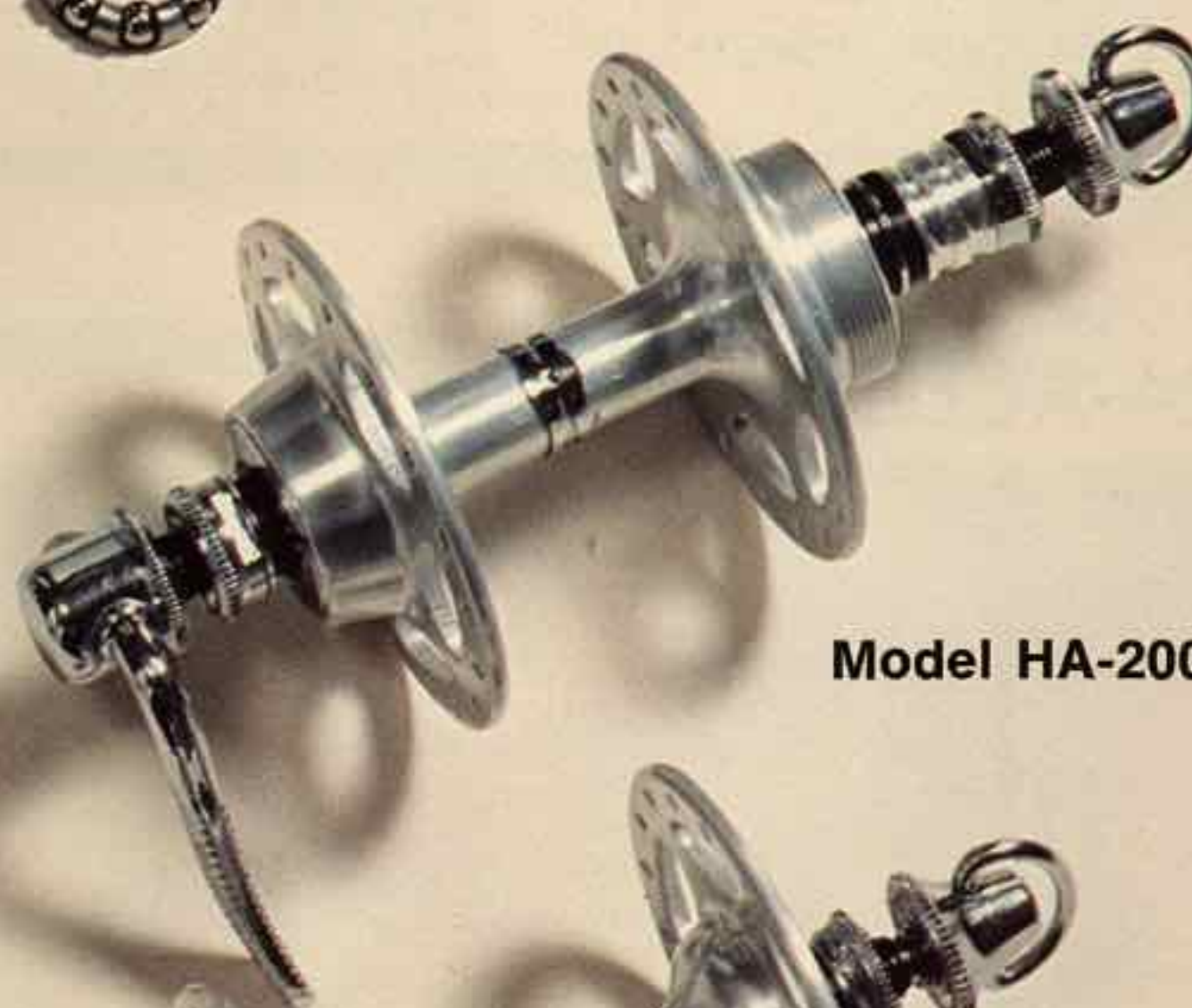
Model GA-200



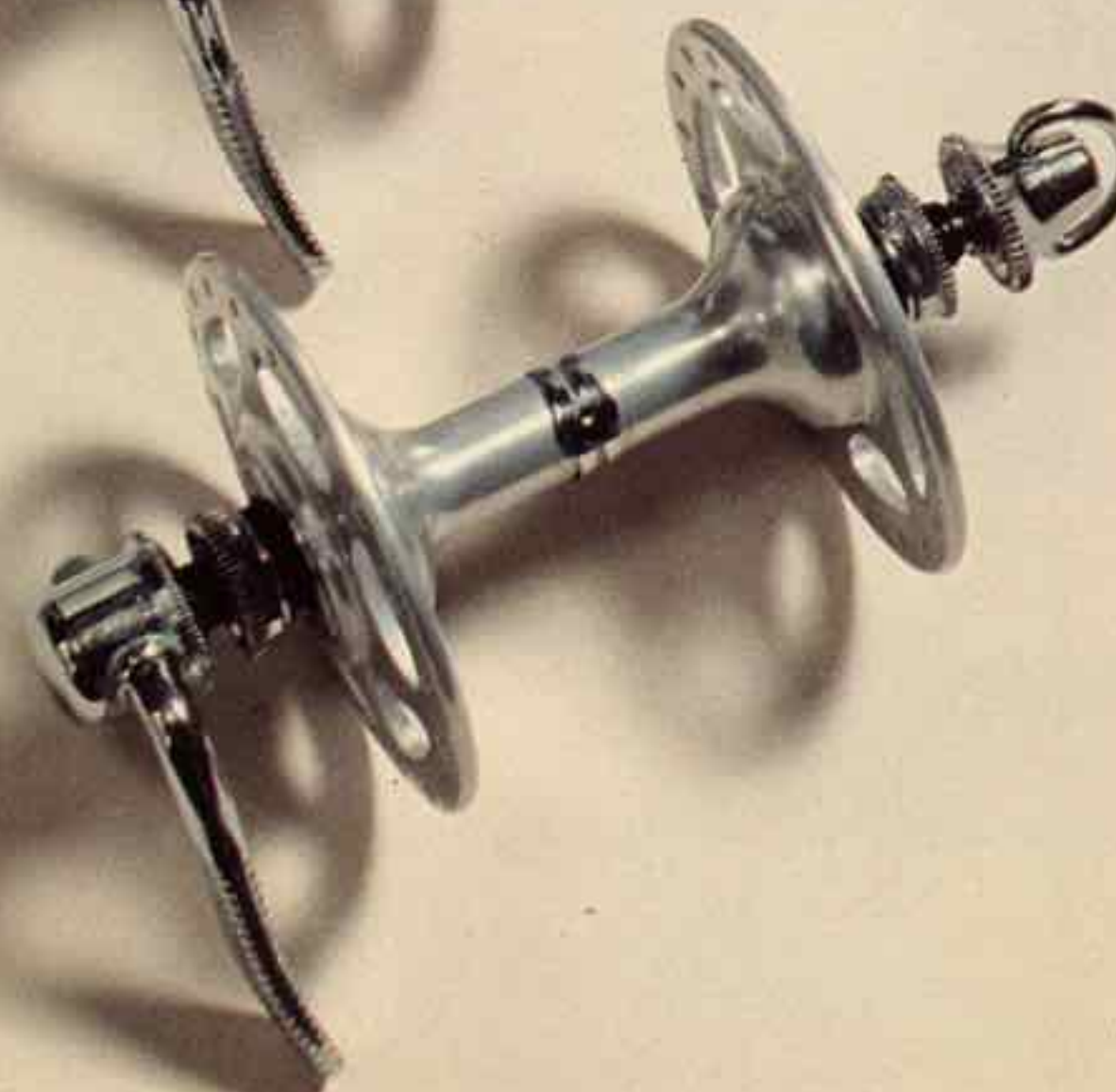
Model GB-100



Model HA-100



Model HA-200





Shimano DURA-ACE

Series for Road & Touring



Model BA-100



Model MA-100



Model UA-100



Model KD-100



Model KA-210



Model NB-100



Model NB-120

Caliper Brake

Model BA-100

DURA-ACE

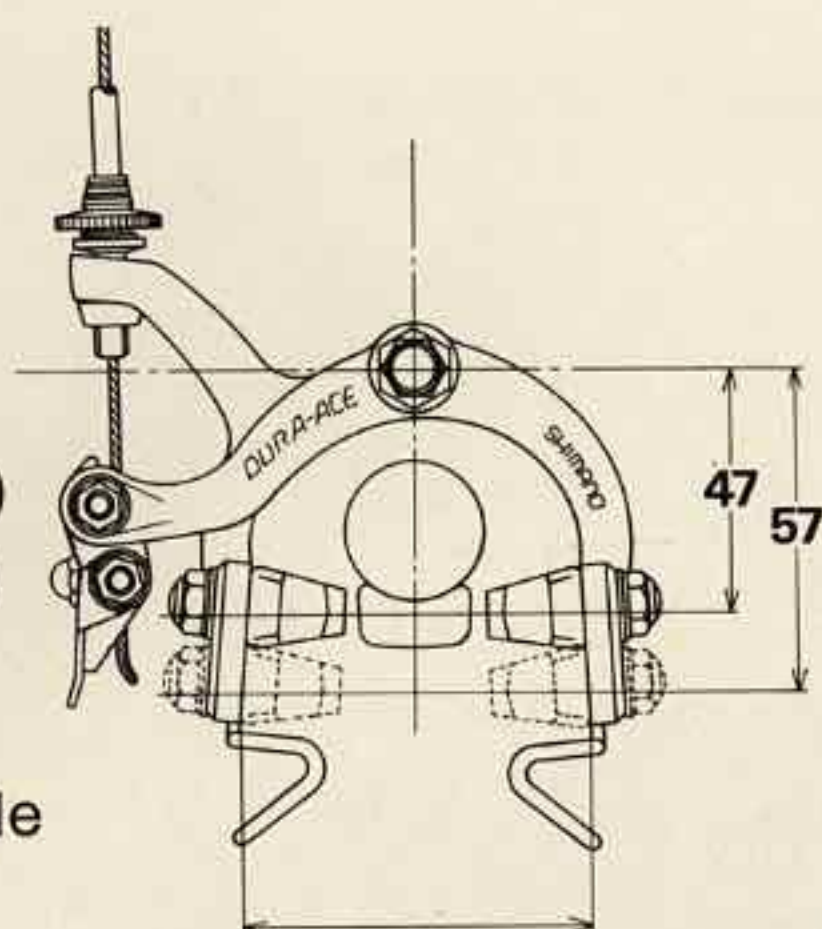
SPECIFICATIONS

Weight: Front 6.8 oz. (194 g)

Rear 6.8 oz. (194 g)

Material: Duralumin

Type: Side Pull with Quick Release and Tire guide



Brake Lever

Model MA-100

DURA-ACE

SPECIFICATIONS

Weight: 5.2 oz. (150 g)/Pair

Material: Light Alloy

Type: Hooded Lever with Rubber Cover

Lever Clamp Diameter: 23.8φ

Head Parts

Model UA-100

DURA-ACE

SPECIFICATIONS

Material: Chromium Bearing Steel

Type: Road Type

Polished Ball Race

Fork Ends

Model NB-100

SHIMANO-SF

SPECIFICATIONS

Material: Steel

Type: Road Type

With Adjusting Bolt

Model NB-120

SHIMANO-SFR

SPECIFICATIONS

Material: Steel

Type: Touring Type

Vertical Drop Out

Pump Holder

Model KD-100

PUMP HOLDER

SPECIFICATIONS

Clamp Diameter: 1-1/8"

Material: Steel

Outer Band

Model KA-210

OUTER BAND

SPECIFICATIONS

Clamp Diameter: 1"

Material: Steel



DURA-ACE Black Series





Shimano
DURA-ACE
Series for Track



Model GA-100



Model FA-200



Model HA-300



Model GB-100



Model NC-100



Model UA-200

Front & Rear Hubs with Lock Ring

Model HA-300

DURA-ACE

SPECIFICATIONS

Weight: Front 8.5 oz. (240 g) Rear 10.6 oz. (300 g)

Material: Duralumin

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. (Lett)

Polished Ball Race

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

Teeth: 13, 14, 15, 16.

	Steel	Light Alloy
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 NC-100

DURA-ACE

SPECIFICATIONS

Material: Steel

Head Parts

Model UA-200

DURA-ACE

SPECIFICATIONS

Material: Chromium Bearing Steel

Type: Track Type

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

Type: Cotterless

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

Teeth: 47~52 T.

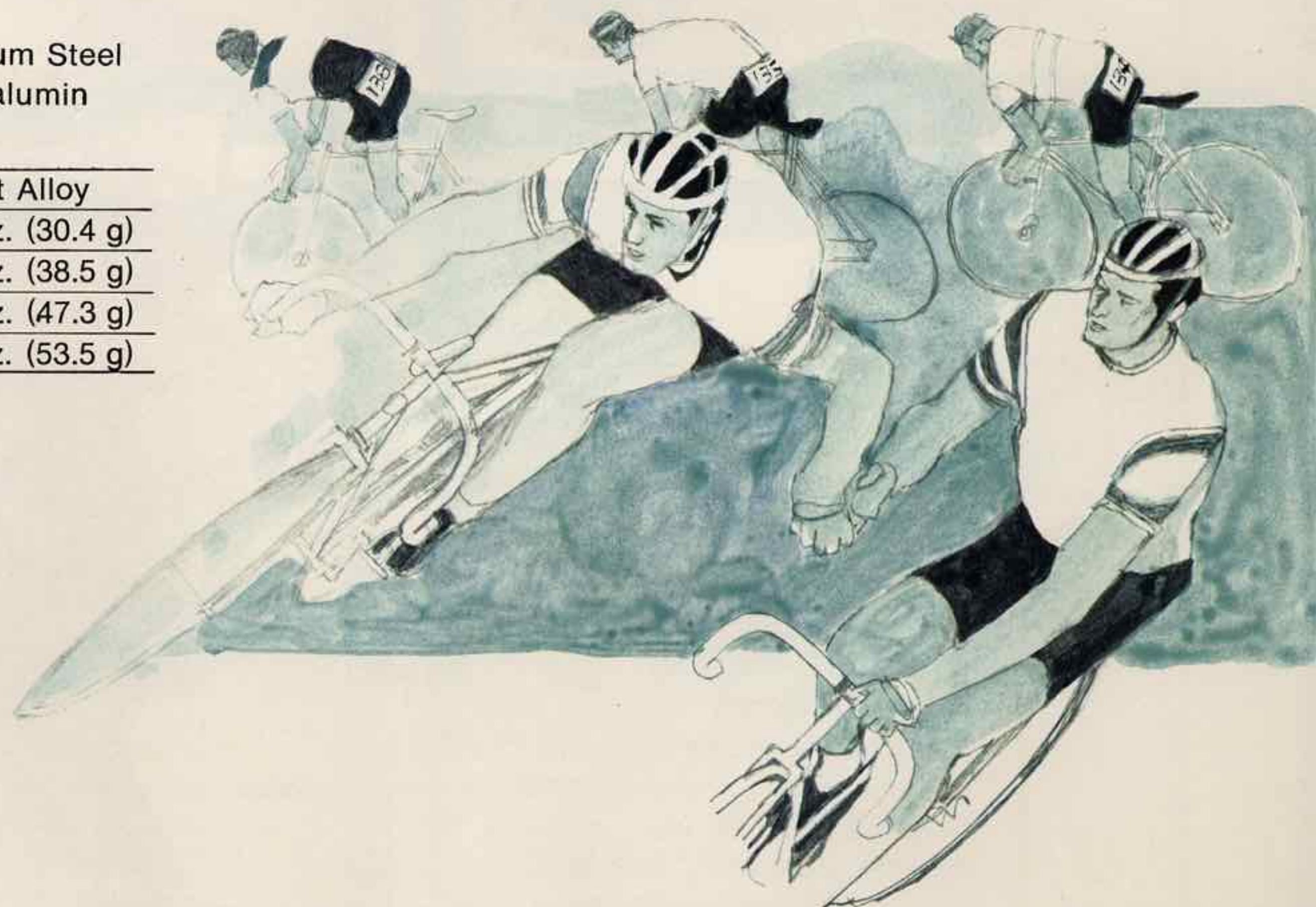
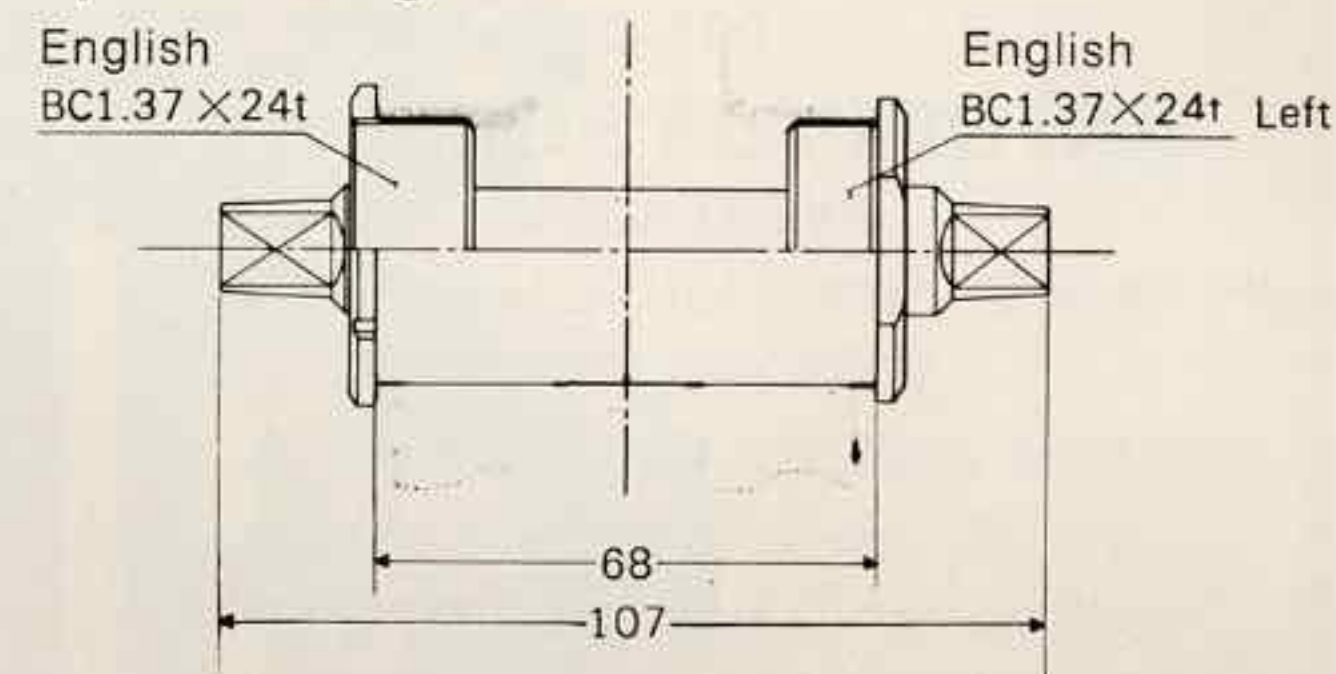
Crank Lengths: 6-1/2" x (165mm), 6-3/4" (170mm), 6-7/8" (175mm)

Available by request 6-19/32" (167.5mm), 6-13/16" (172.5mm)

Crank Thread: 9/16" x 20t.

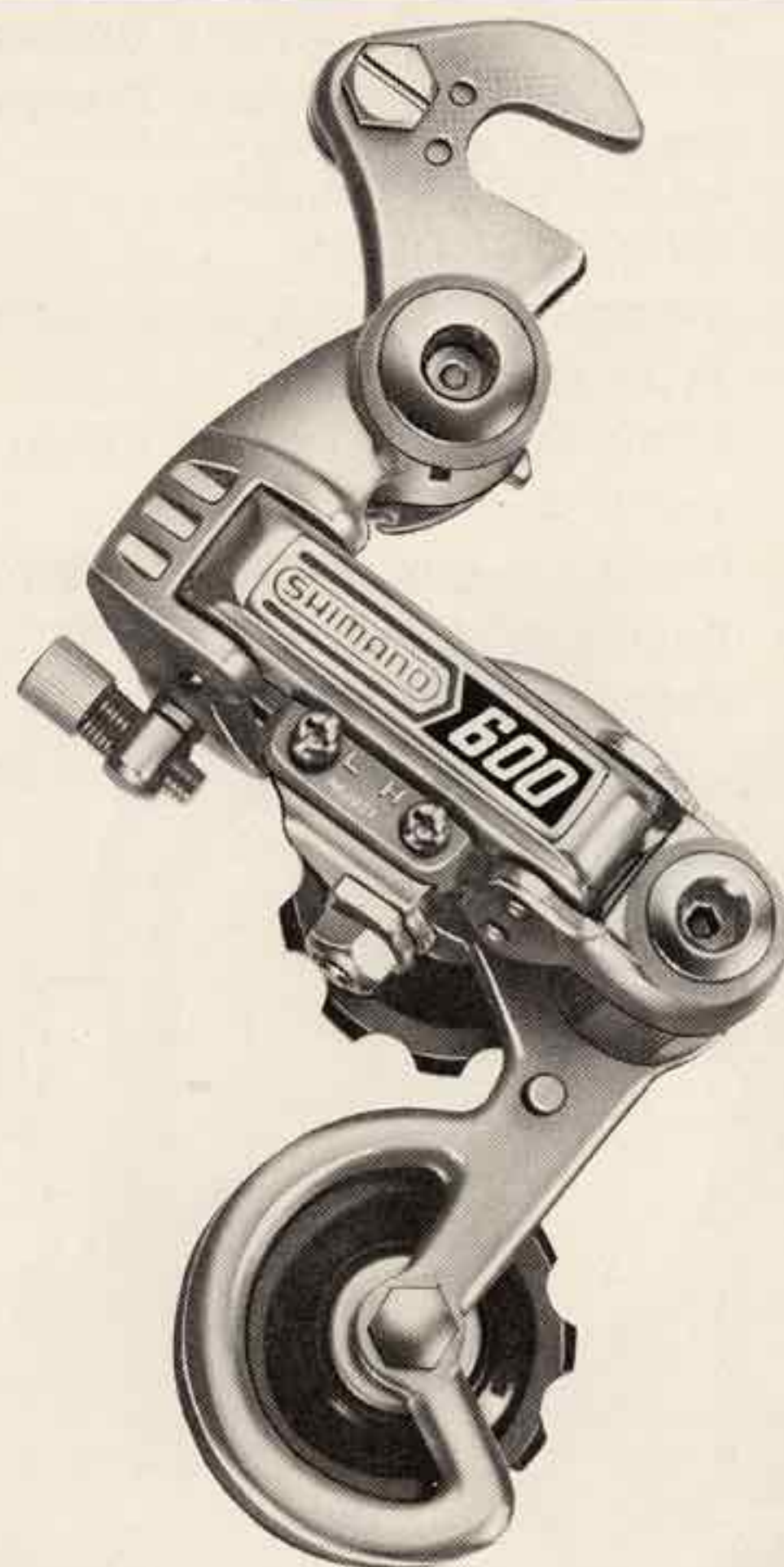
Cup Thread: English 1.37" x 24t, French 35 x 1.0, Italian 36 x 24t.

Spindle Length:



SHIMANO Rear Derailleurs

new



Model DC-200

SHIMANO-600

SPECIFICATIONS

Capacity: Front Difference 14 Teeth or Less

Rear Largest Sprocket 28 Teeth or Less

Weight: 9.3 oz (265 g)

Material: Light Alloy (Body)

Steel (Cage Plate)

Type: Servo Panta Mechanism

new



Model DC-210

SHIMANO-600-GS

SPECIFICATIONS

Capacity: Front Difference: 14 Teeth or Less

Rear Largest Sprocket: 34 Teeth or Less

Weight: 9.9 oz (280 g)

Material: Light Alloy (Body)

Steel (Cage Plate)

Type: Servo Panta Mechanism

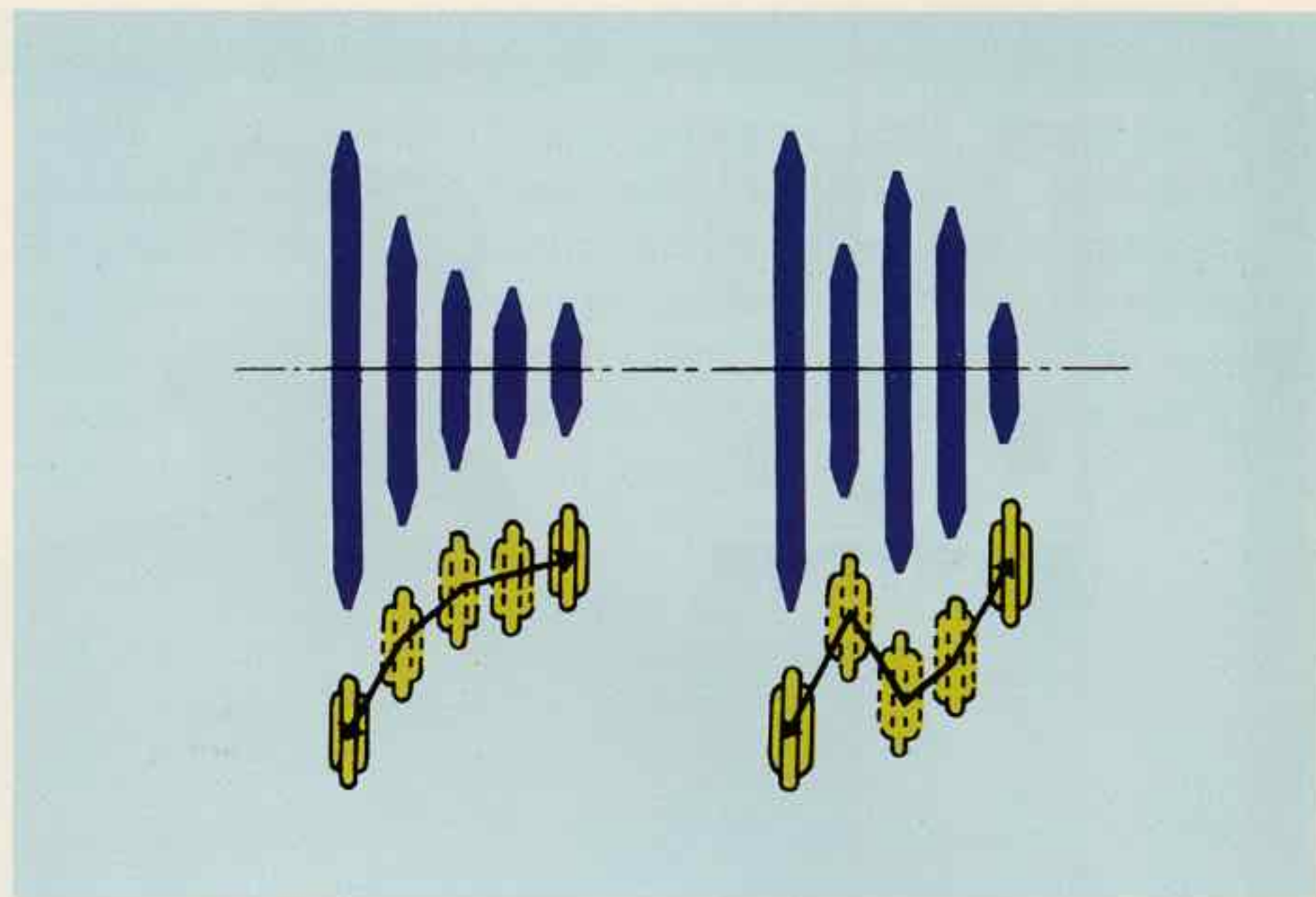
new



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



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

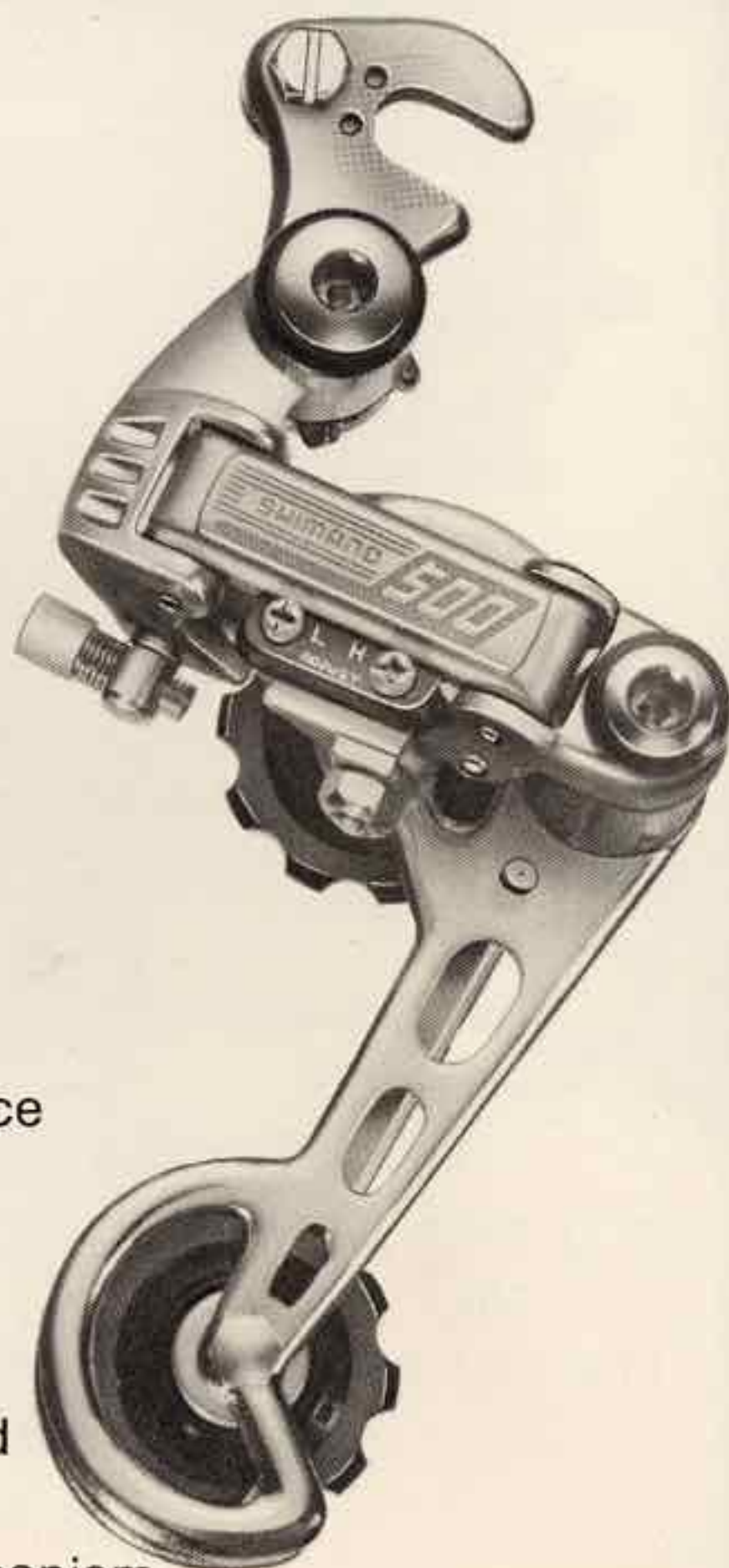
This expresses the range of a rear derailleur in terms of the difference in number of teeth between the largest and the smallest chain rings of the front chainwheel and the number of teeth of the largest multiple freewheel sprocket (low side).

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.

new



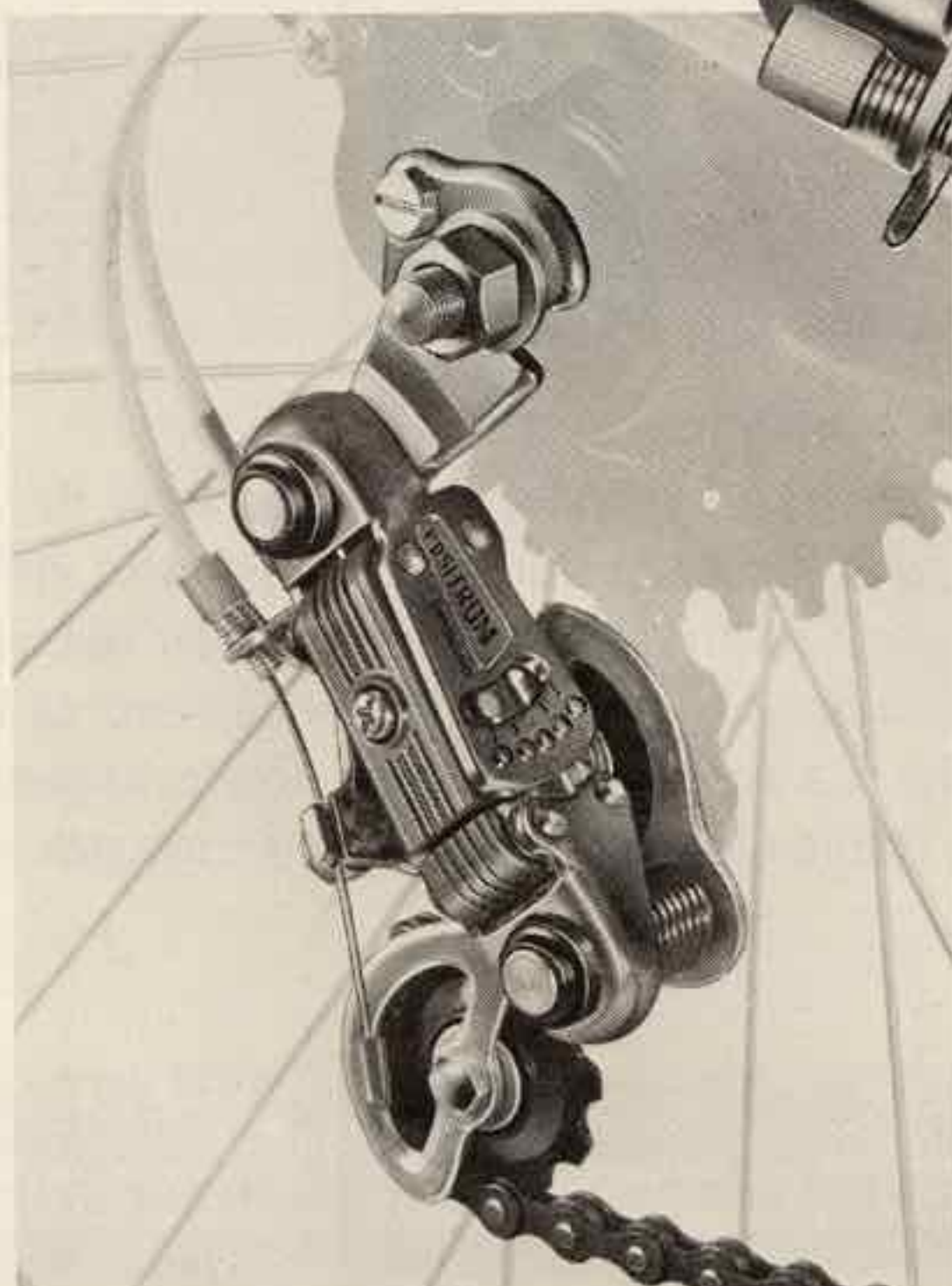
Model DC-110
SHIMANO-500-GS

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

SHIMANO Rear Derailleurs

new



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: 18 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

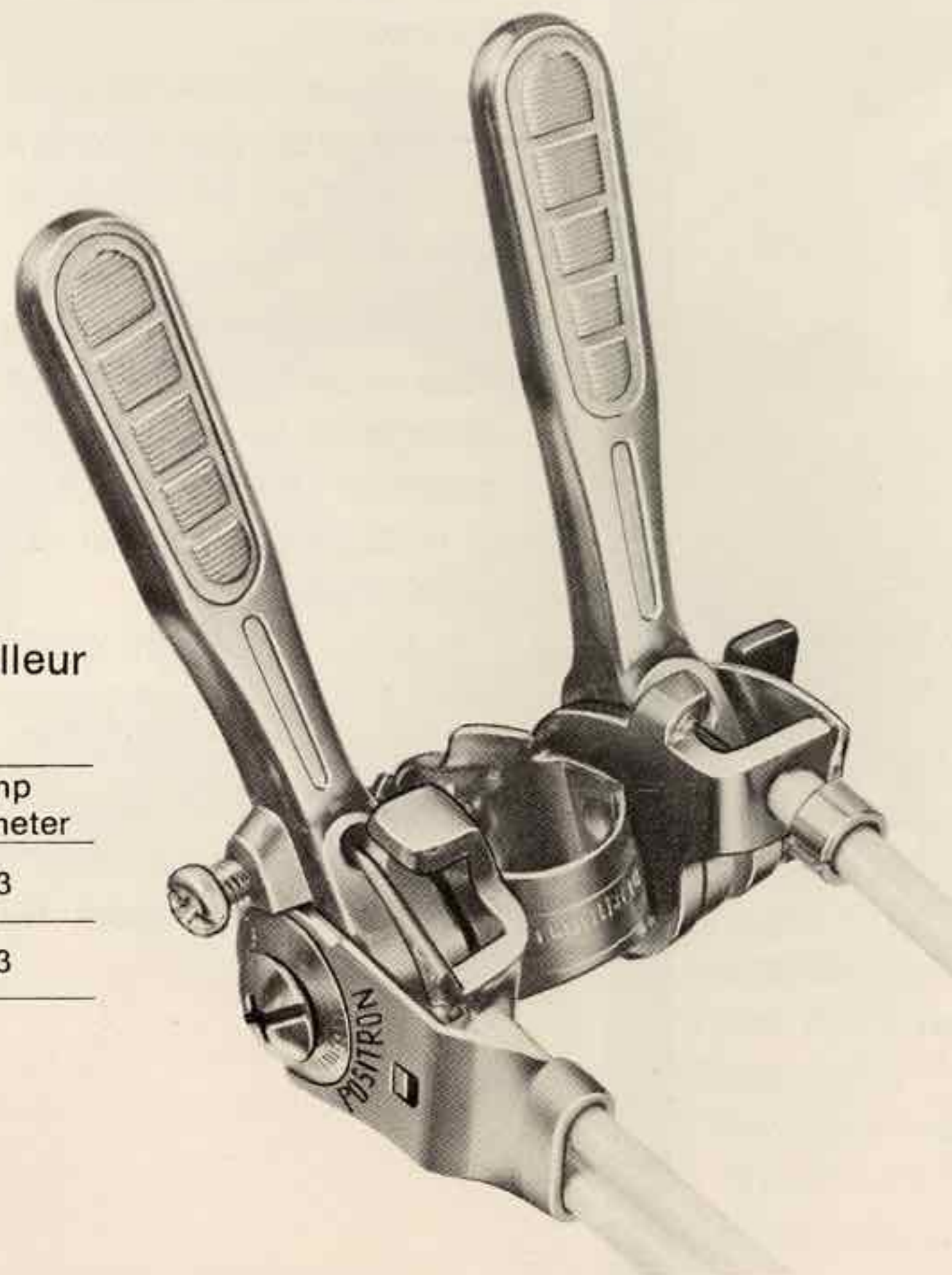
POSITRON LEVER

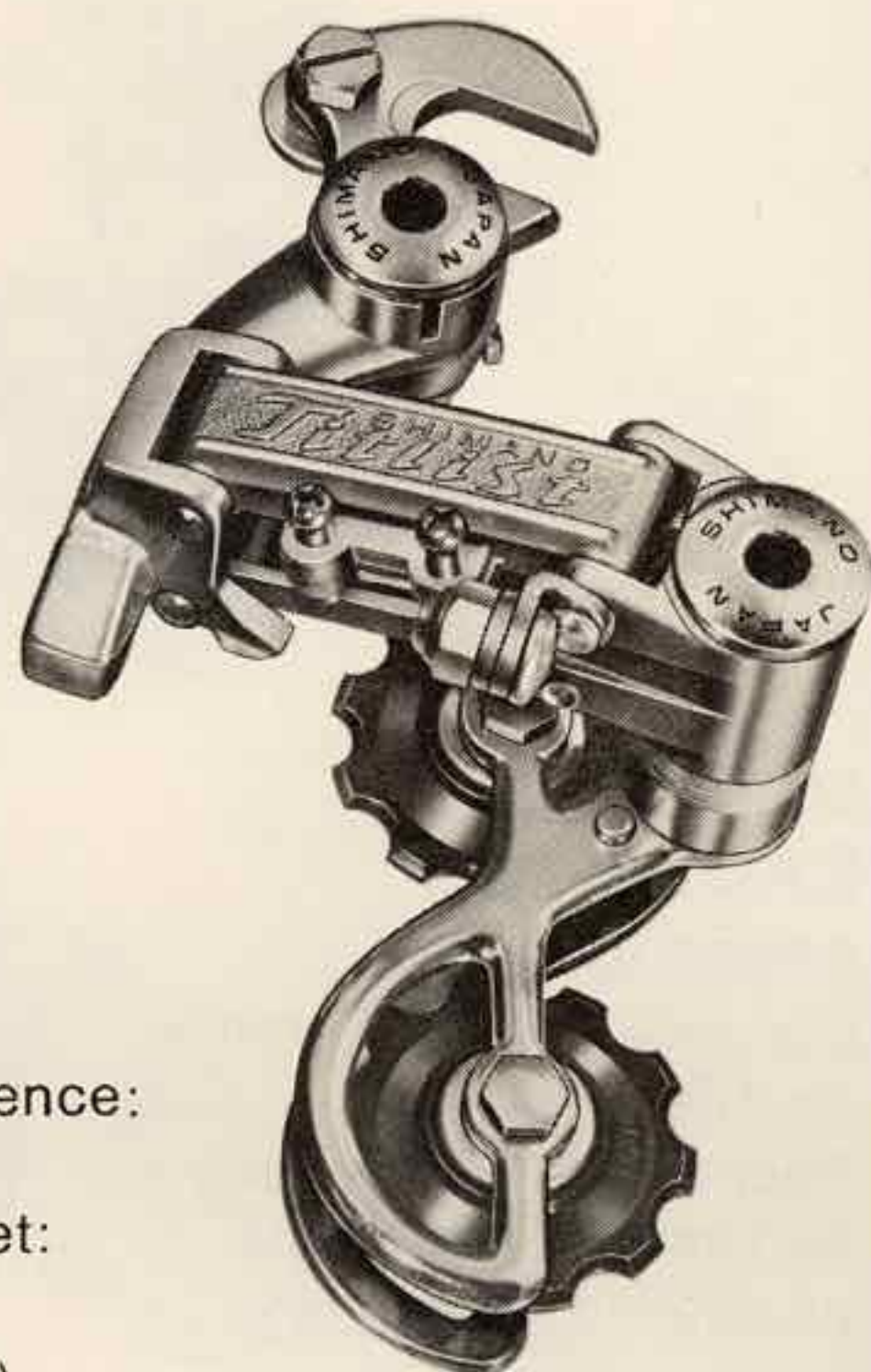
SPECIFICATIONS

Material: Light Alloy

Use: Positron Rear Derailleur Only

Type	Attachment Position	Clamp Diameter
Double Lever	Handle Stem	0.833
Single Lever	Handle Stem	0.833





Model DB-200

TITLIST

SPECIFICATIONS

Capacity: Front Difference:

14 Teeth or Less

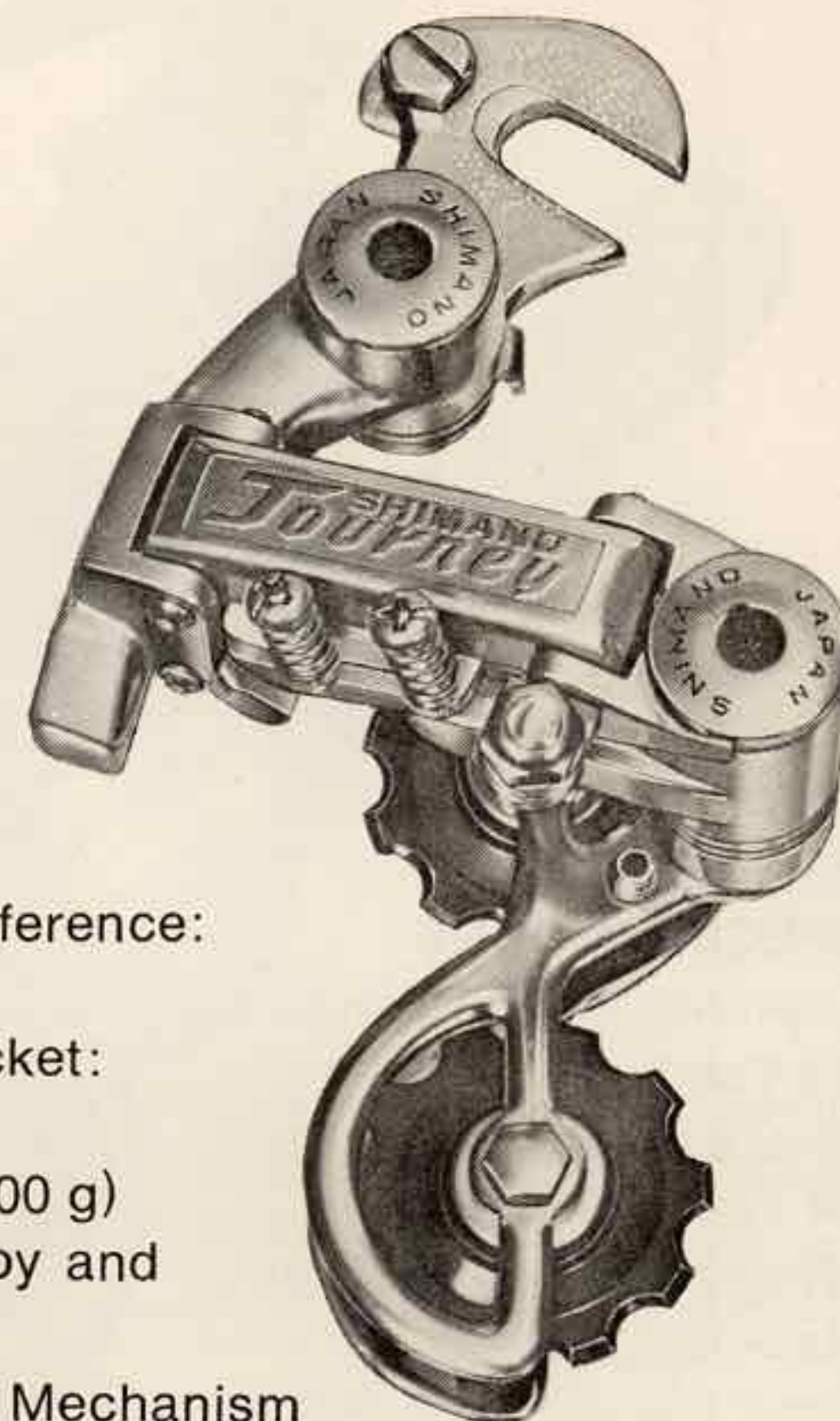
Rear Largest Sprocket:

28 Teeth or Less

Weight: 9.9 oz. (280 g)

Material: Light Alloy (Body), Steel (Cage Plate)

Type: Servo Pantograph Mechanism



Model DB-300

TOURNEY

SPECIFICATIONS

Capacity: Front Difference:

14 Teeth or Less

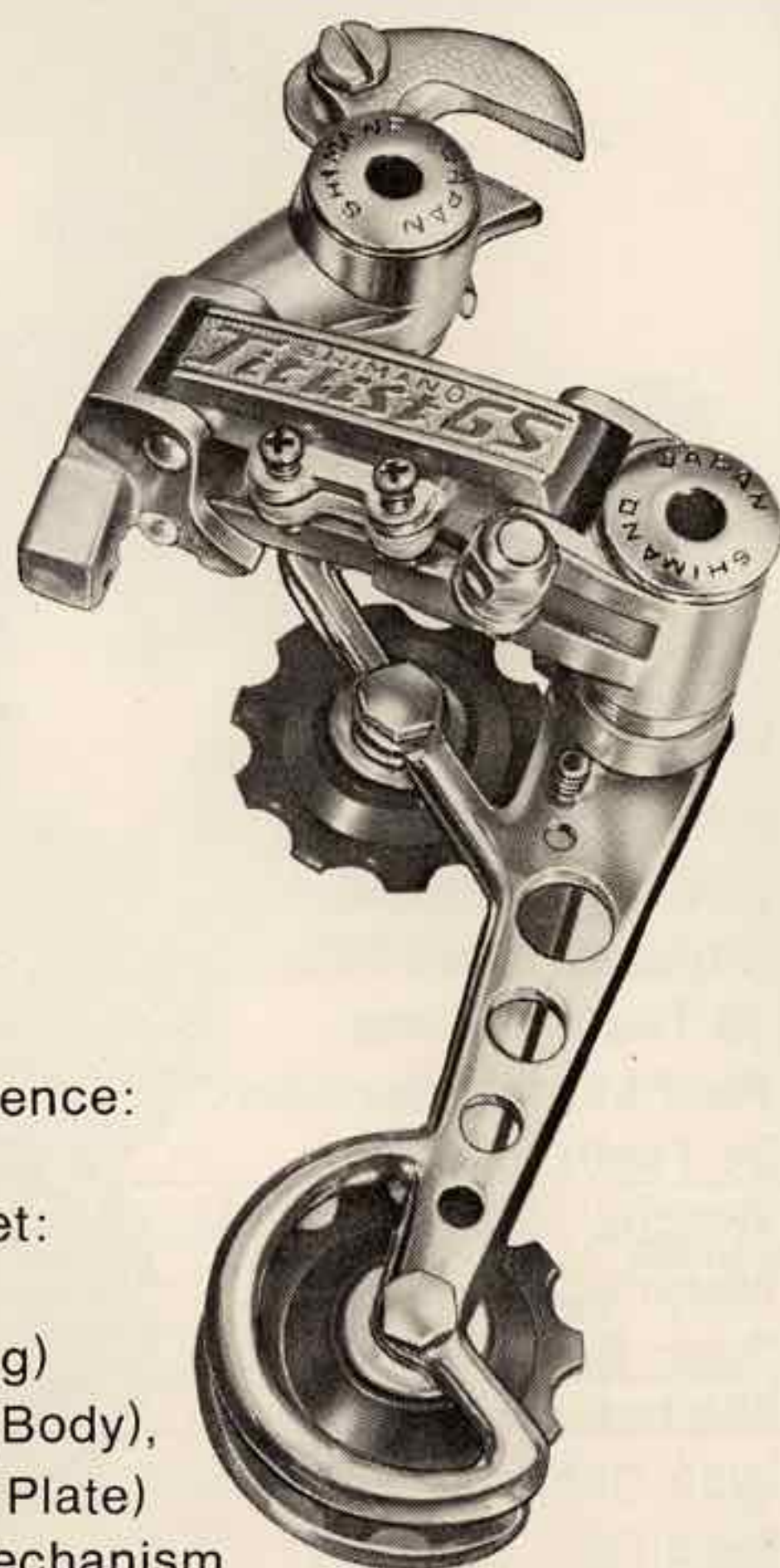
Rear Largest Sprocket:

28 Teeth or Less

Weight: 10.6 oz. (300 g)

Material: Light Alloy and
Steel

Type: Servo Pantograph Mechanism



Model DB-210

TITLIST-GS

SPECIFICATIONS

Capacity: Front Difference:

14 Teeth or Less

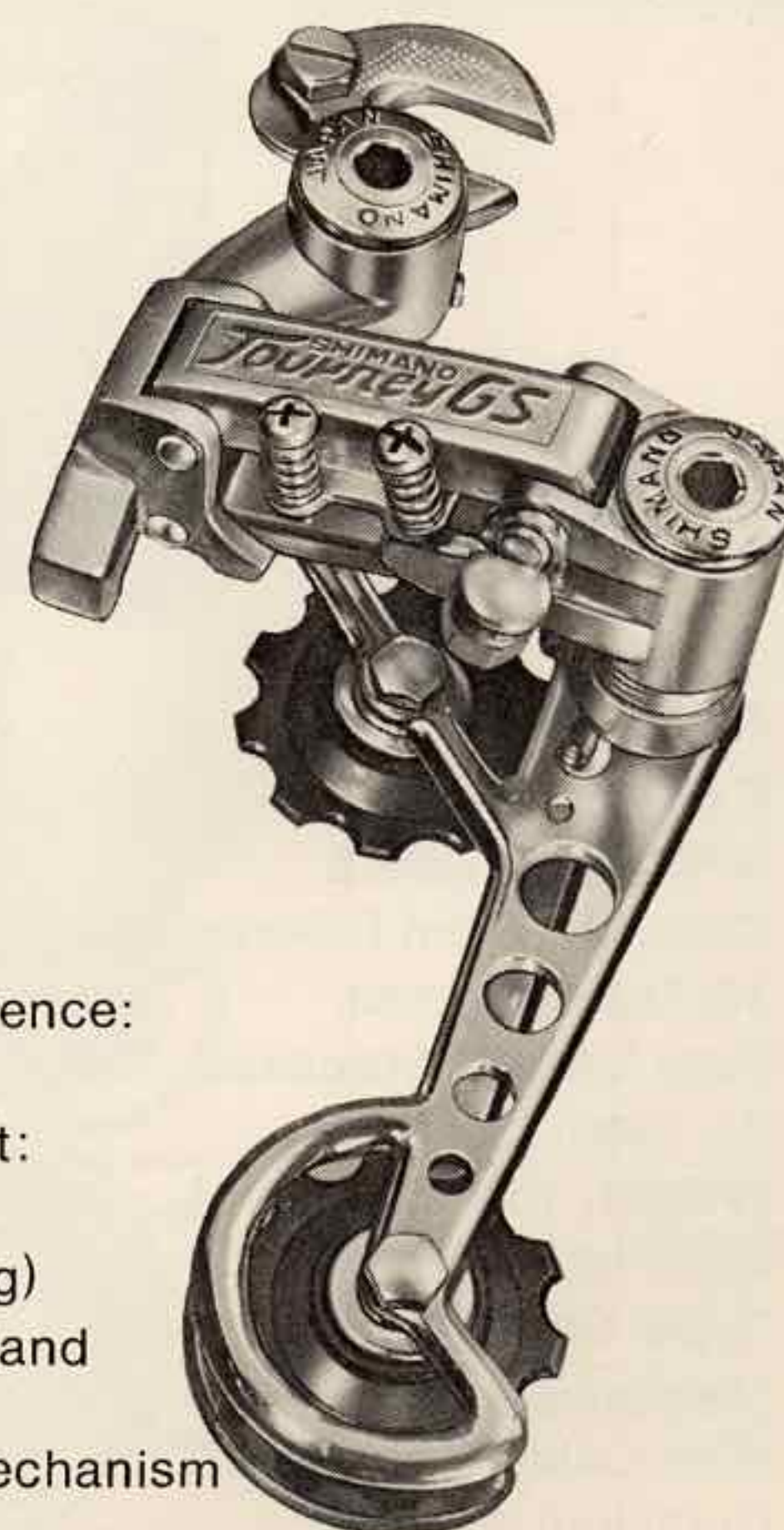
Rear Largest Sprocket:

34 Teeth or Less

Weight: 10.9 oz. (310 g)

Material: Light Alloy (Body),
Steel (Cage Plate)

Type: Servo Pantograph 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 Pantograph Mechanism

SHIMANO Rear Derailleurs



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 Pantograph 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 Pantograph Mechanism

With Cable Saver and Derailleur Guard.



Model DE-110

EAGLE-GS

SPECIFICATIONS

Capacity: Front Difference:

18 Teeth or Less

Rear Largest Sprocket:

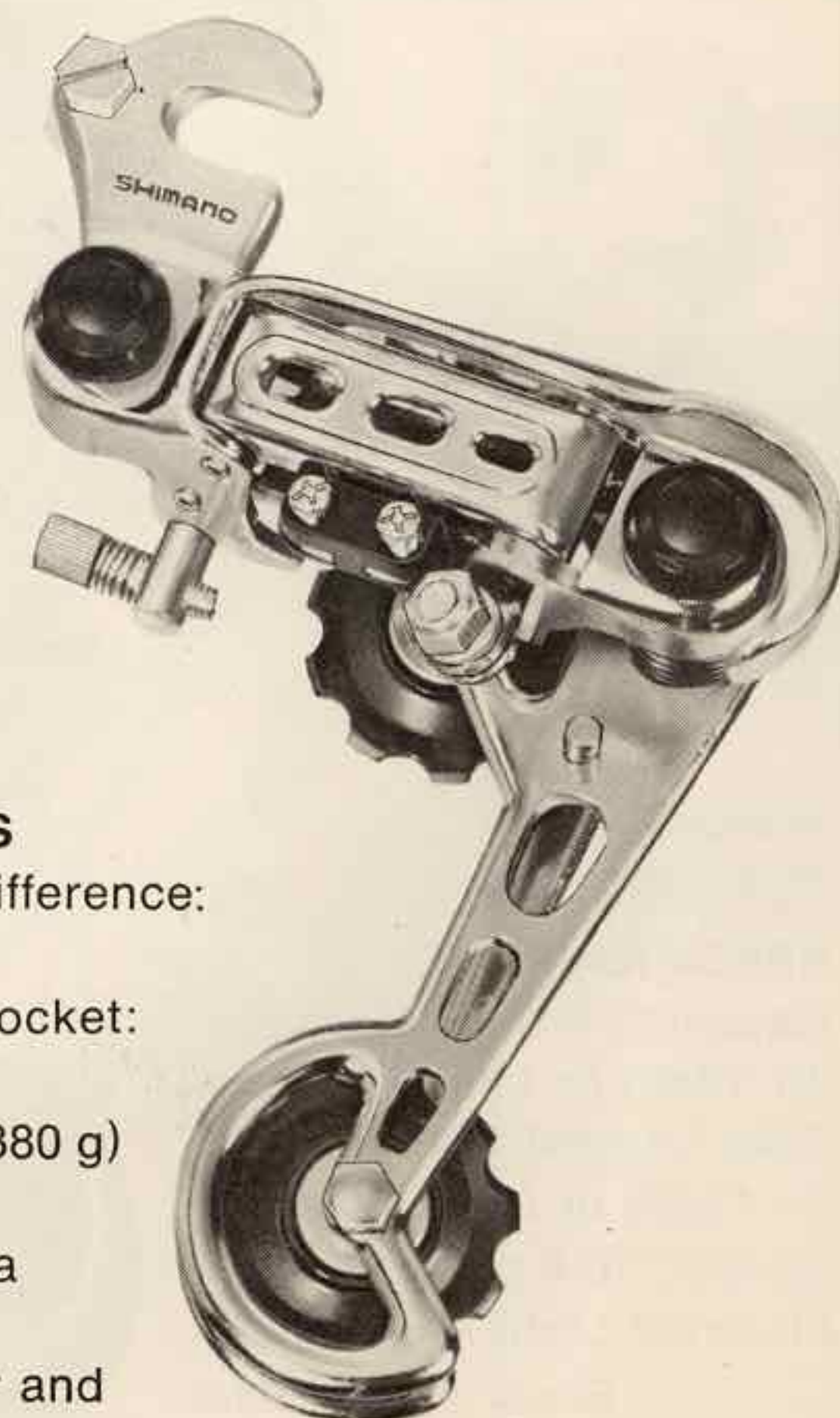
34 Teeth or Less

Weight: 13.4 oz. (380 g)

Material: Steel

Type: Servo Pantograph 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 Pantograph Mechanism

With Cable Saver and Derailleur Guard.



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 Pantograph 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 Pantograph 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 Pantograph 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 Pantograph Mechanism
With Special Twist Grip Control Lever.

SHIMANO Front Derailleurs

new

Model EC-200

SHIMANO-60

SPECIFICATIONS

Capacity: 14 Teeth or Less

Weight: 3.7 oz. (105 g)

Material: Light Alloy

Type: Lower Inlet Type 1-1/8"



new

Model EC-100

SHIMANO-50

SPECIFICATIONS

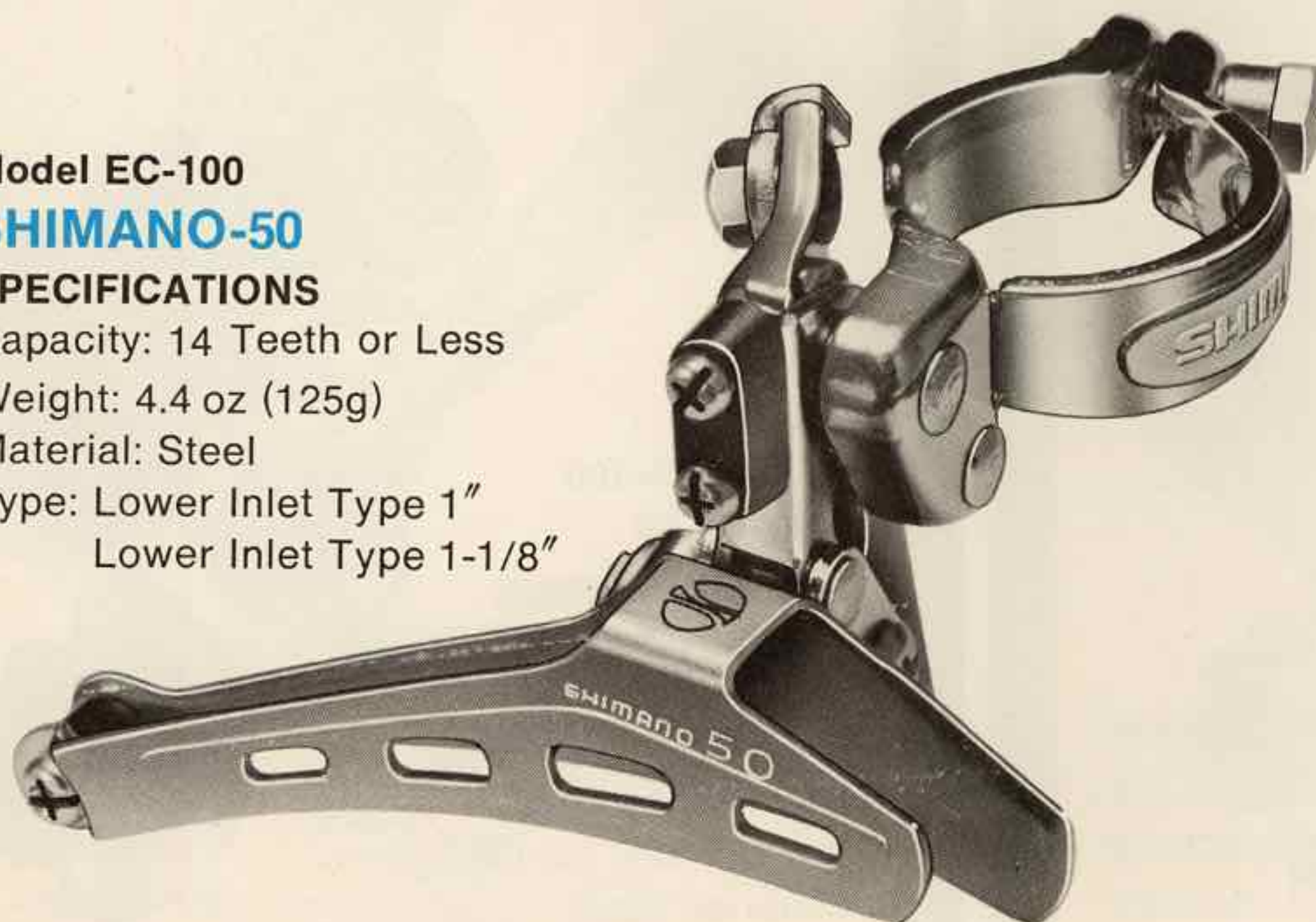
Capacity: 14 Teeth or Less

Weight: 4.4 oz (125g)

Material: Steel

Type: Lower Inlet Type 1"

Lower Inlet Type 1-1/8"





Model ED-100

THUNDER BIRD

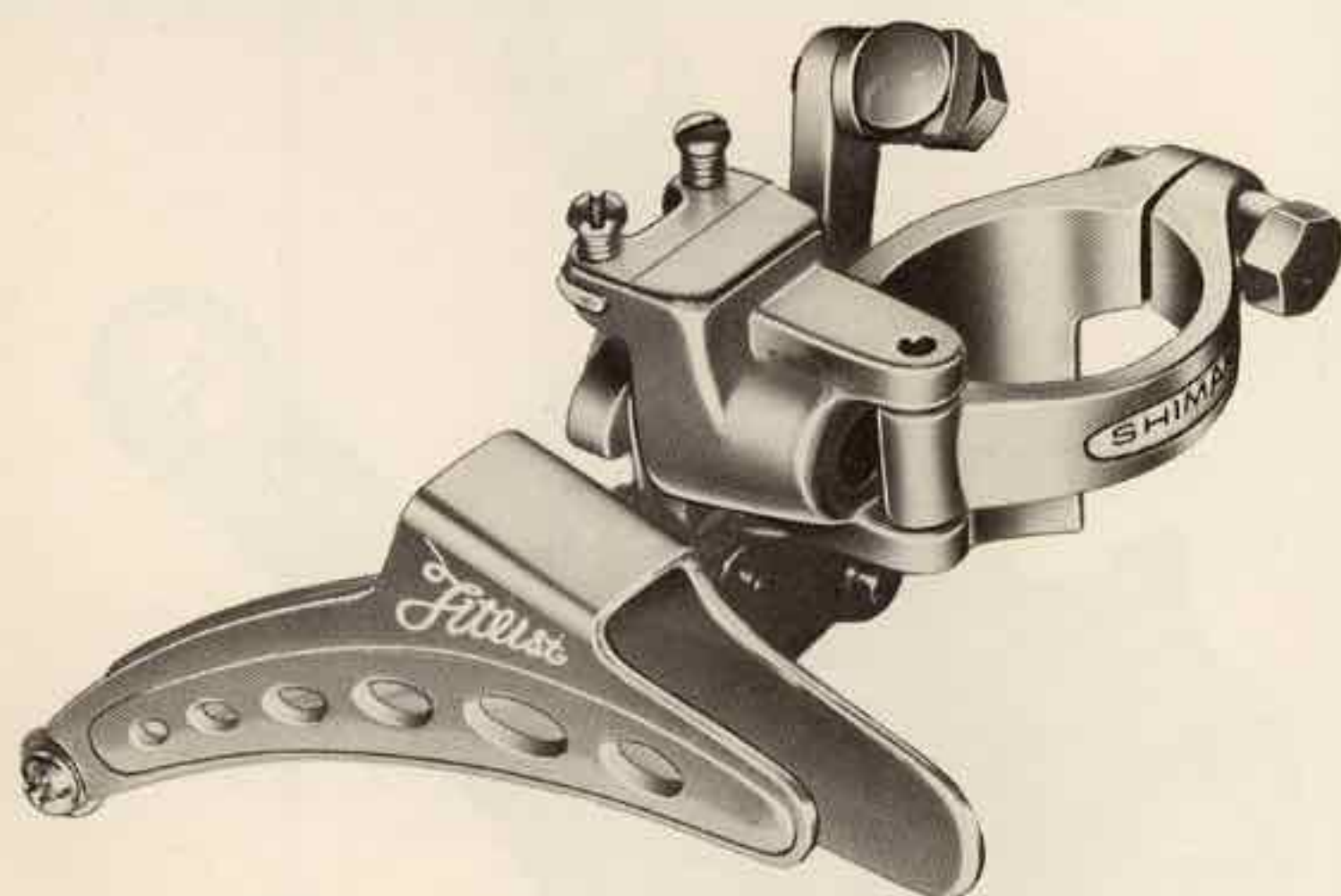
SPECIFICATIONS

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

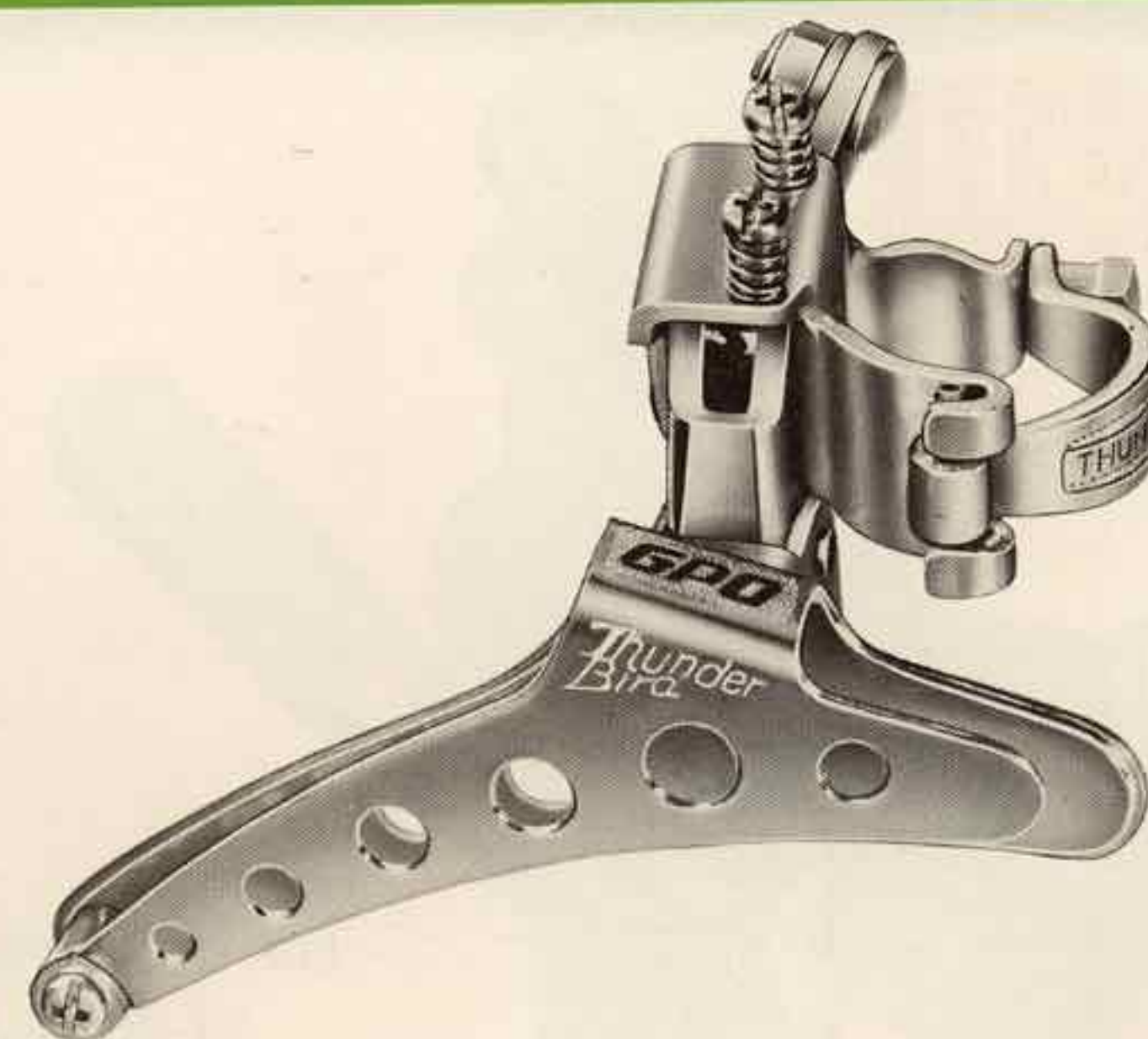
SPECIFICATIONS

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 Levers

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

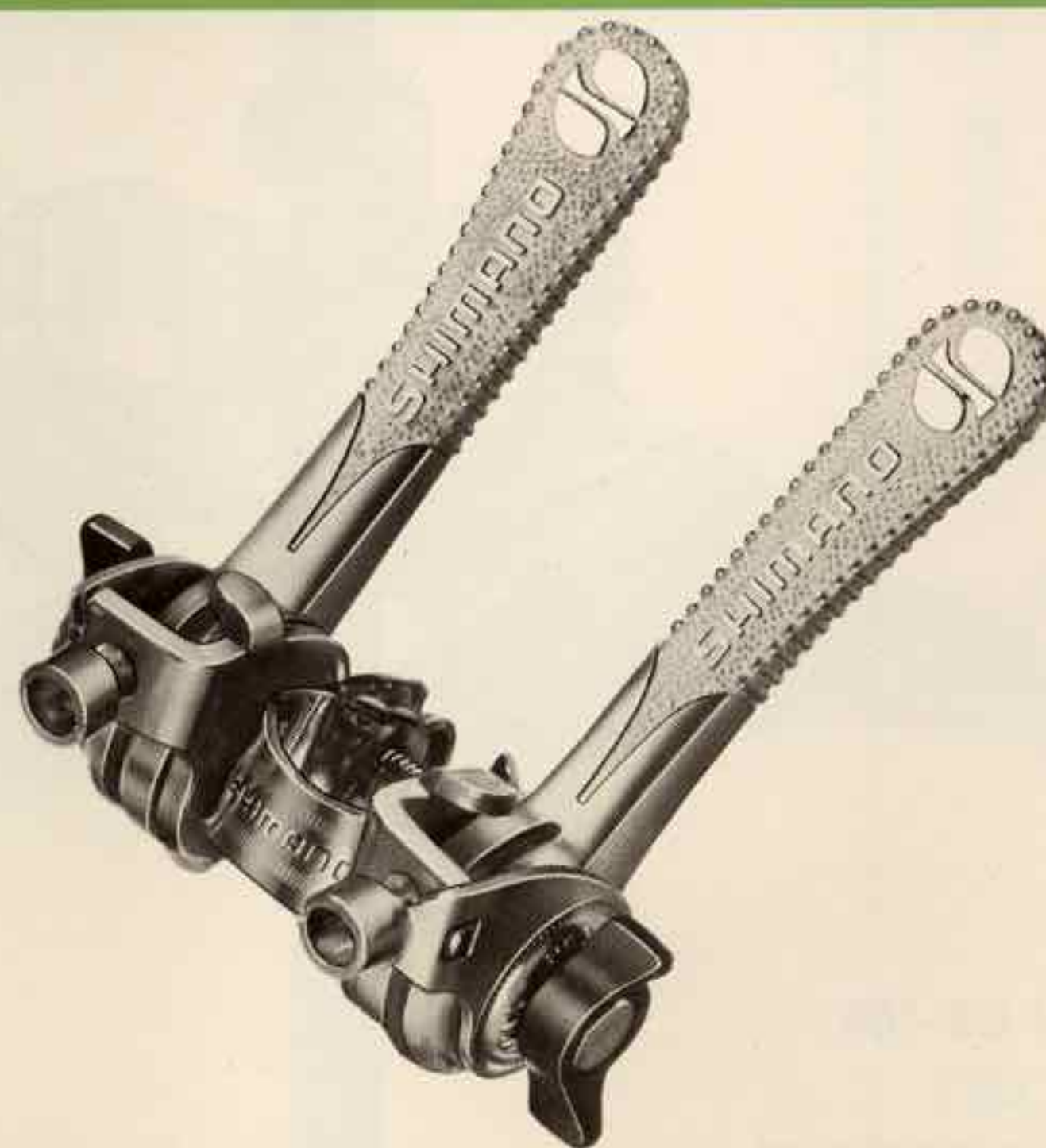
QS-LEVER

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

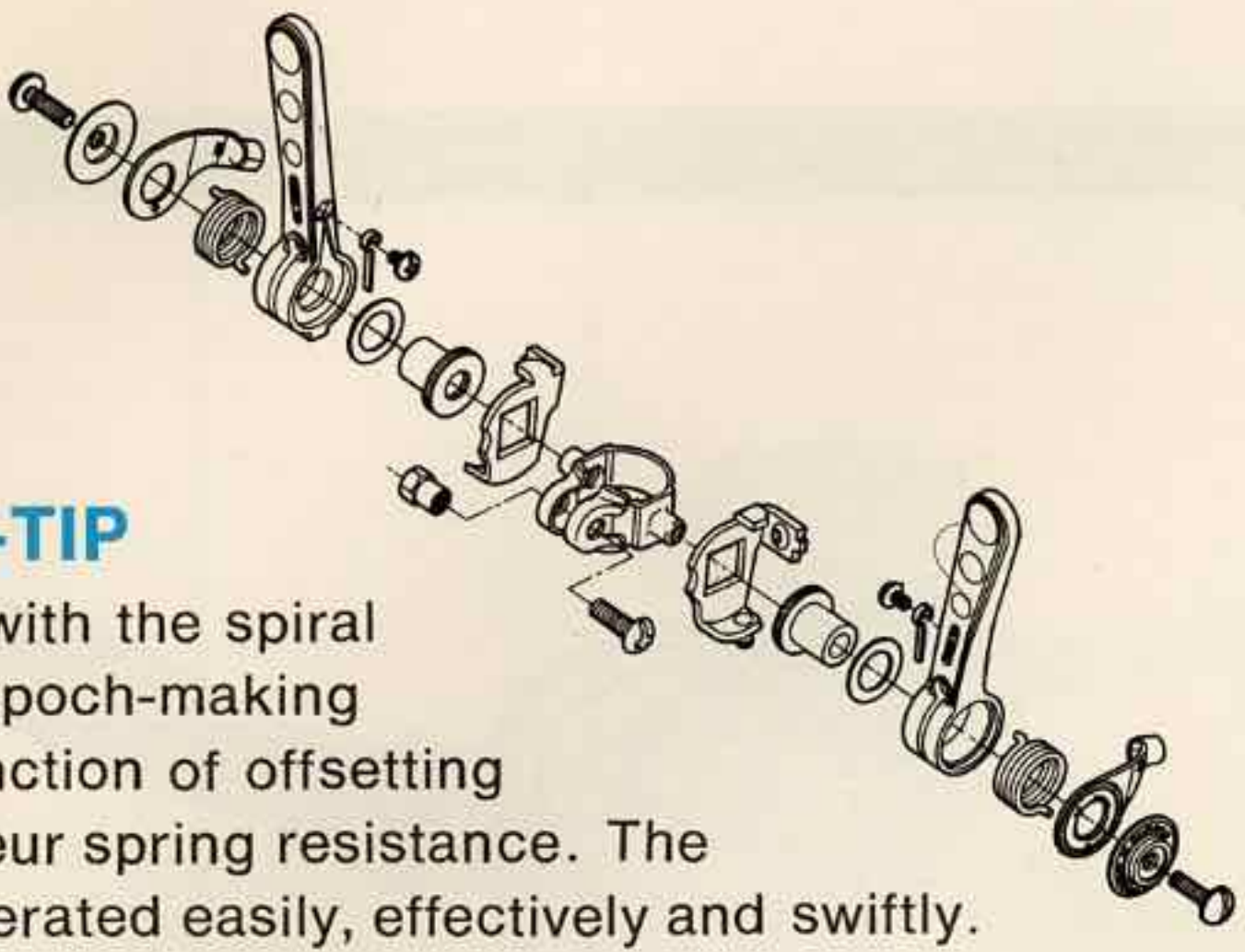
ALMI LEVER

SPECIFICATIONS

Material: Light Alloy

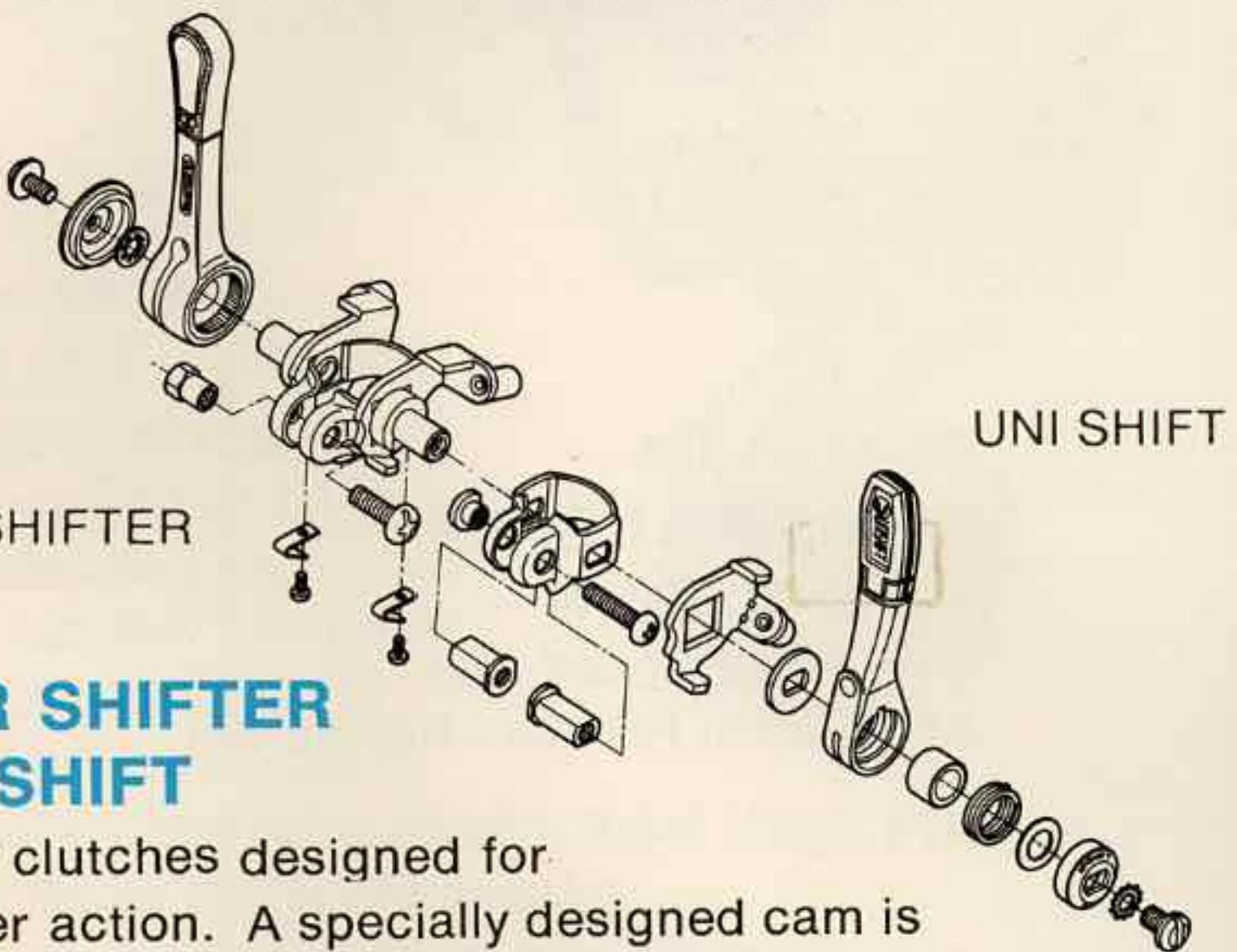
Type: Friction Type

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.

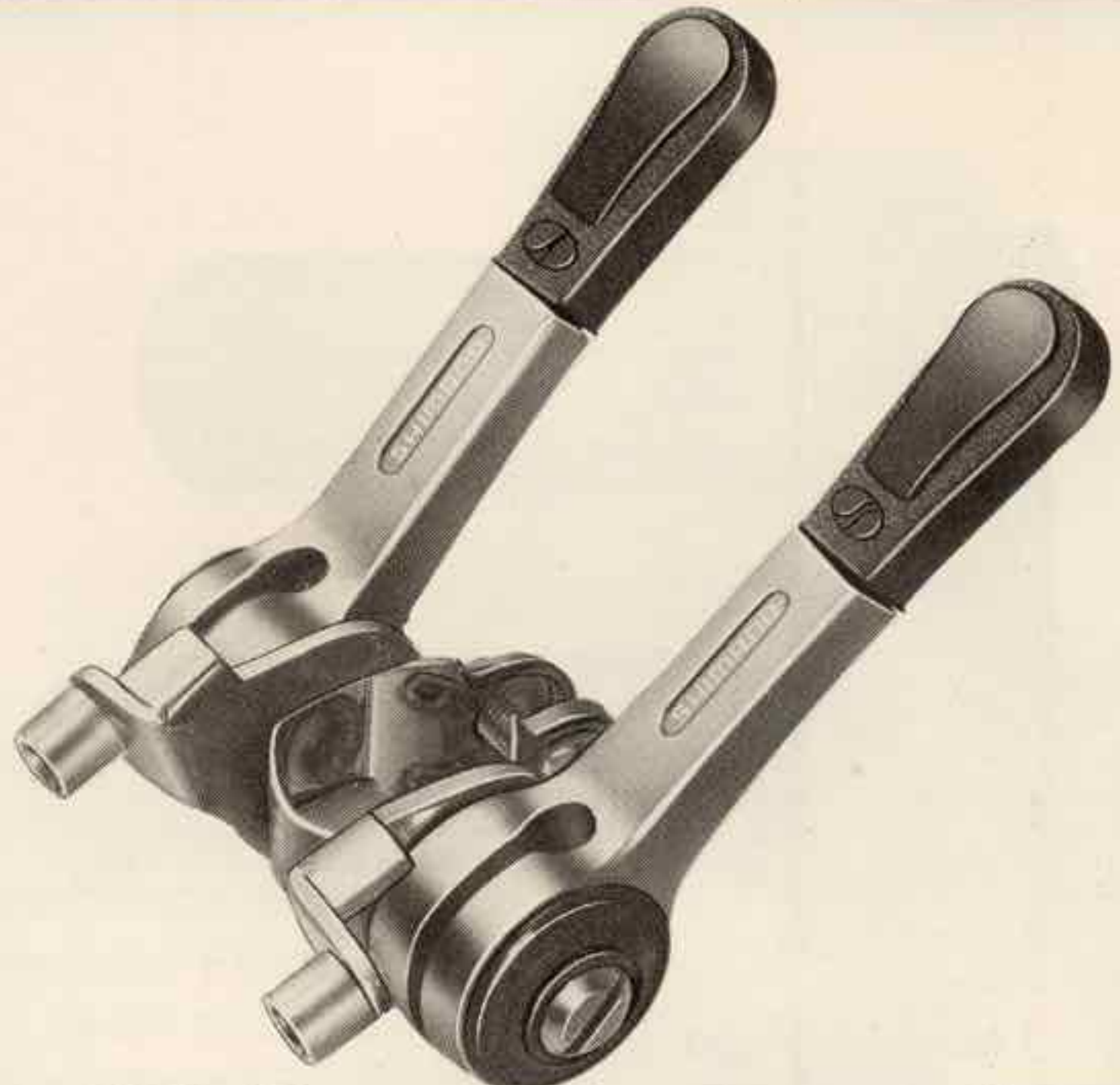


SUPER SHIFTER

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.

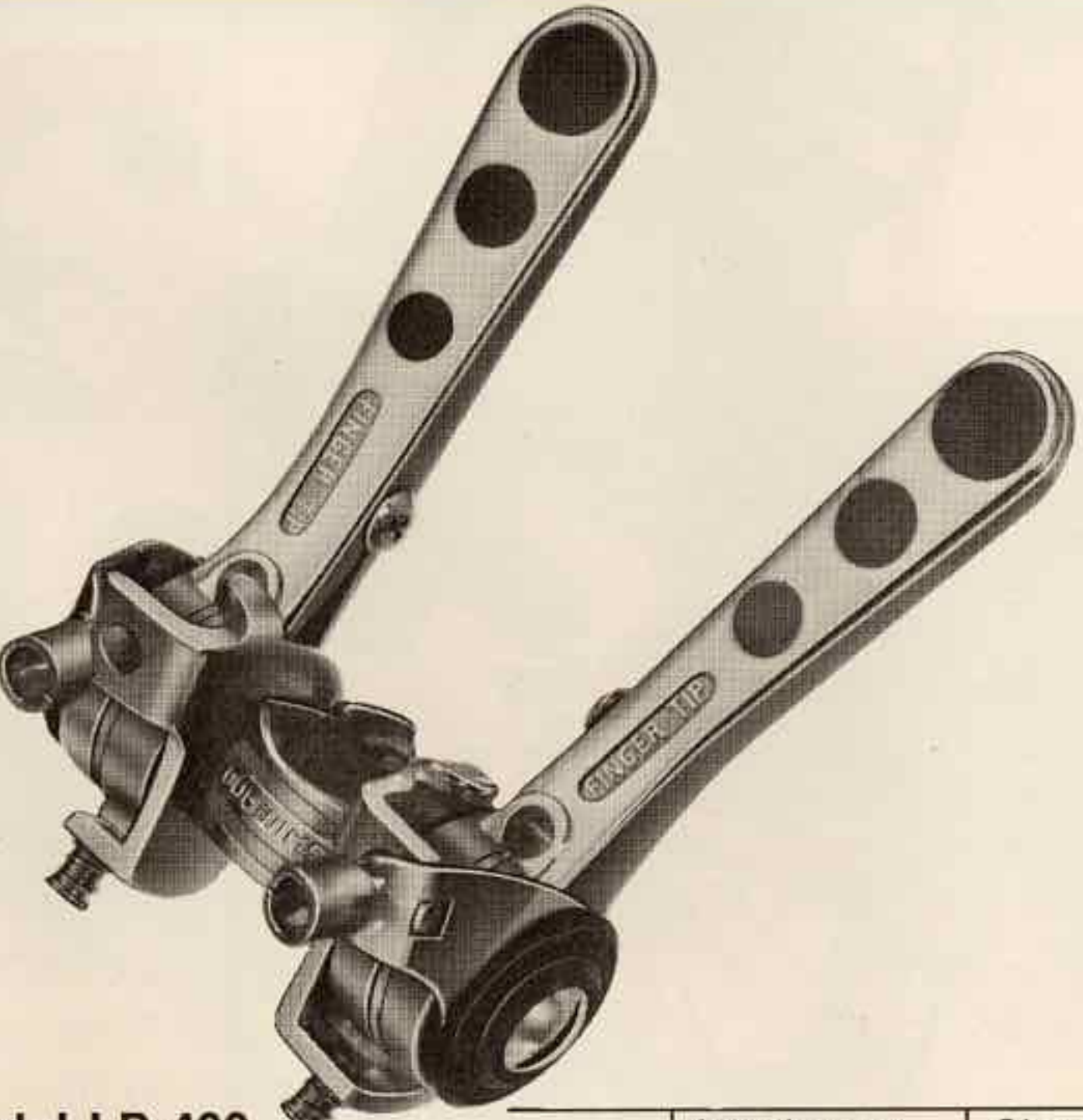


Model LB-300

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"



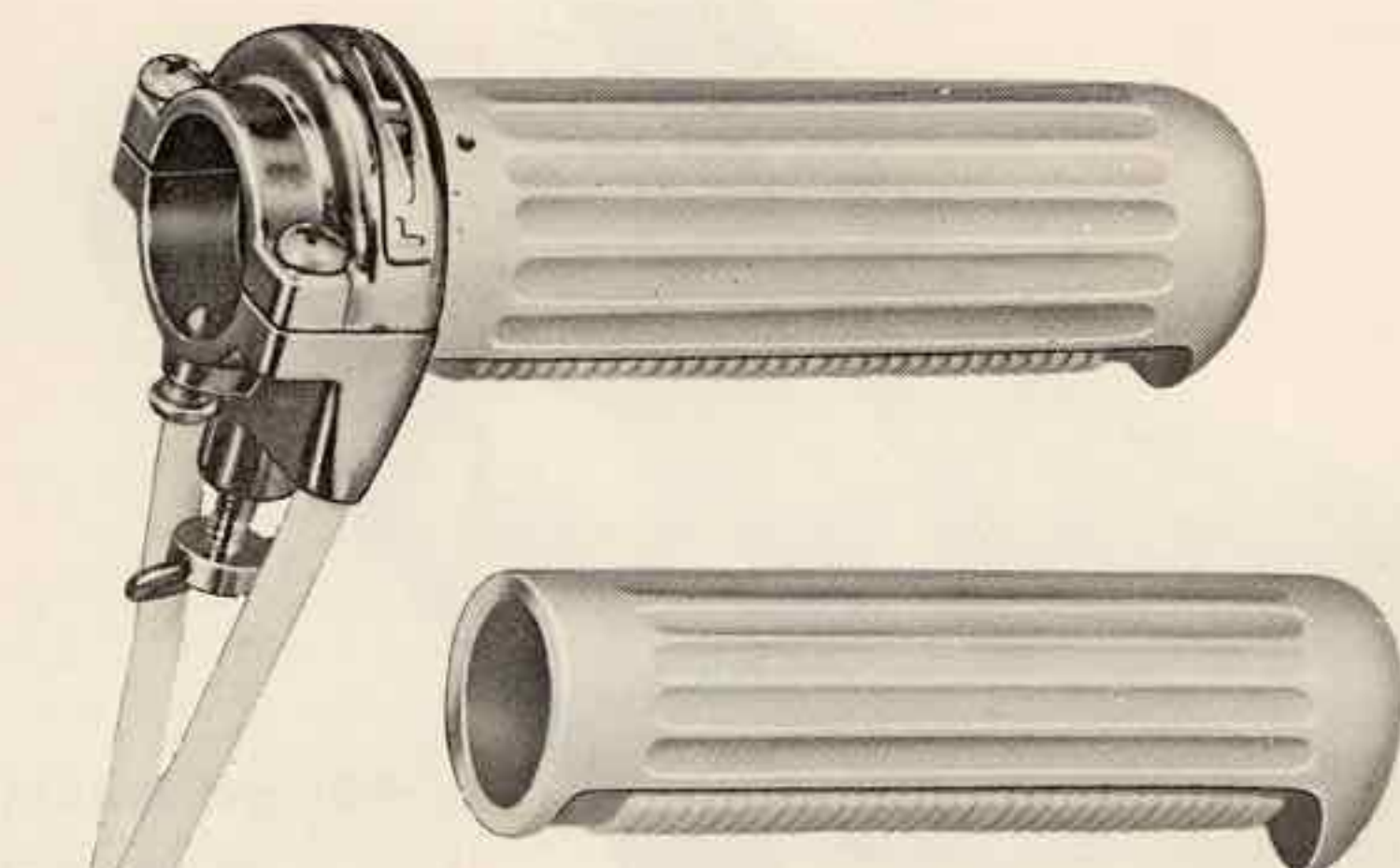
Model LB-200

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 Levers



Model LD-400

W-GRIP CONTROL LEVER

SPECIFICATIONS

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

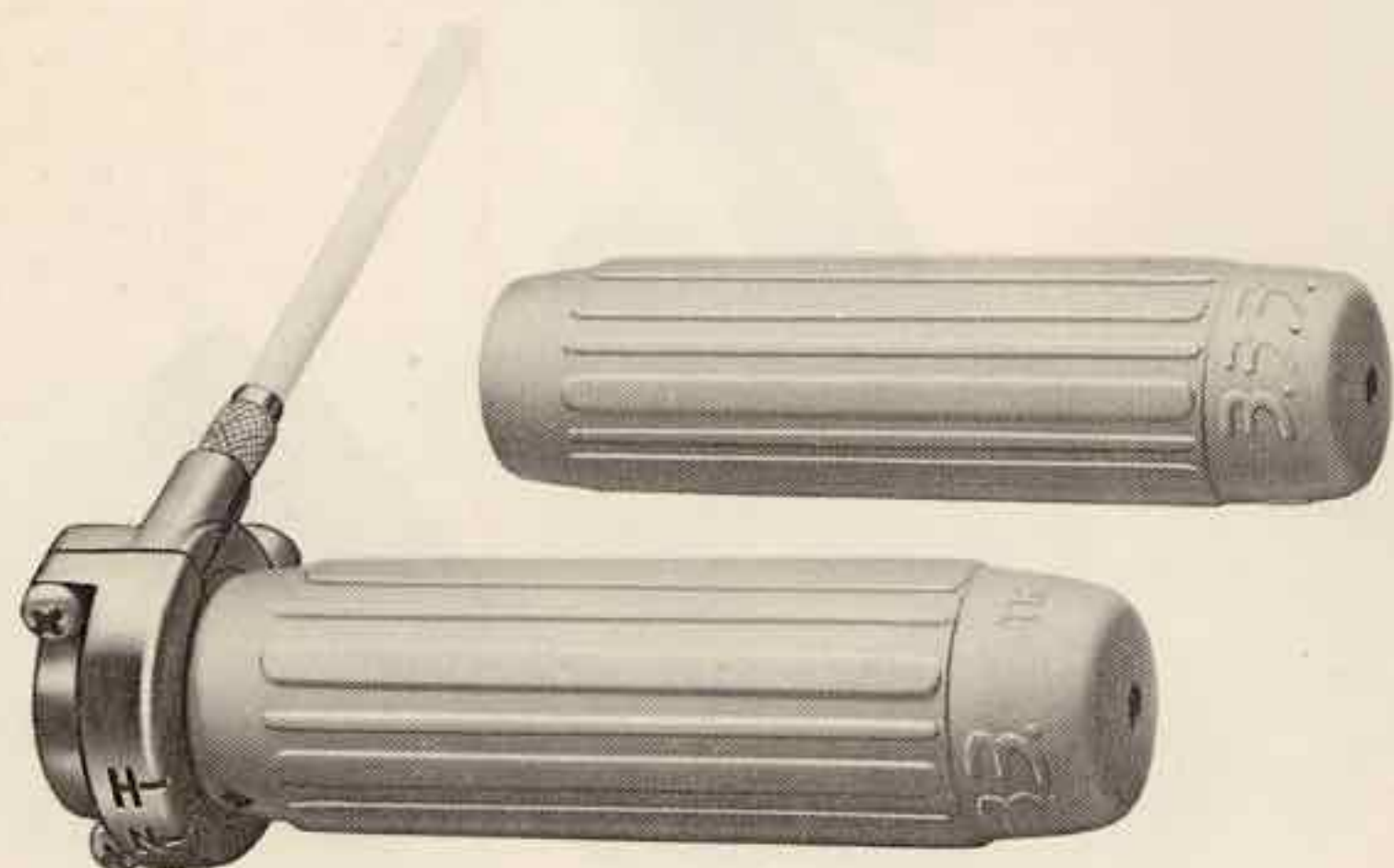


Model LD-200

TRIGGER LEVER

SPECIFICATIONS

Use: Three Speed Hub
Attachment Position: Handle Bar

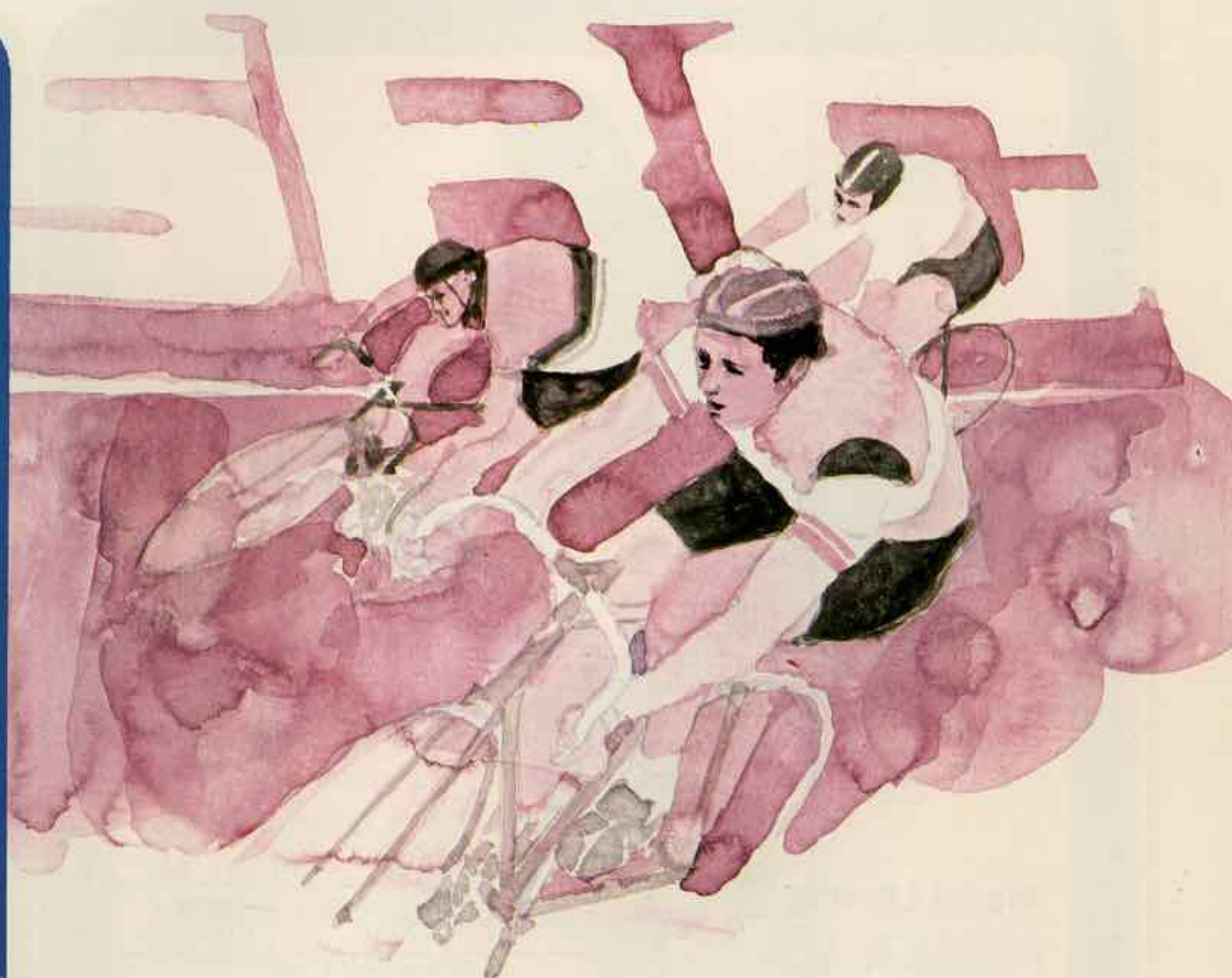


Model LD-300

TWIST GRIP CONTROL

SPECIFICATIONS

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





Models FC-300 (Standard)

FC-330 (with Seal & Top Protector)

MULTIPLE FREEWHEELS

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

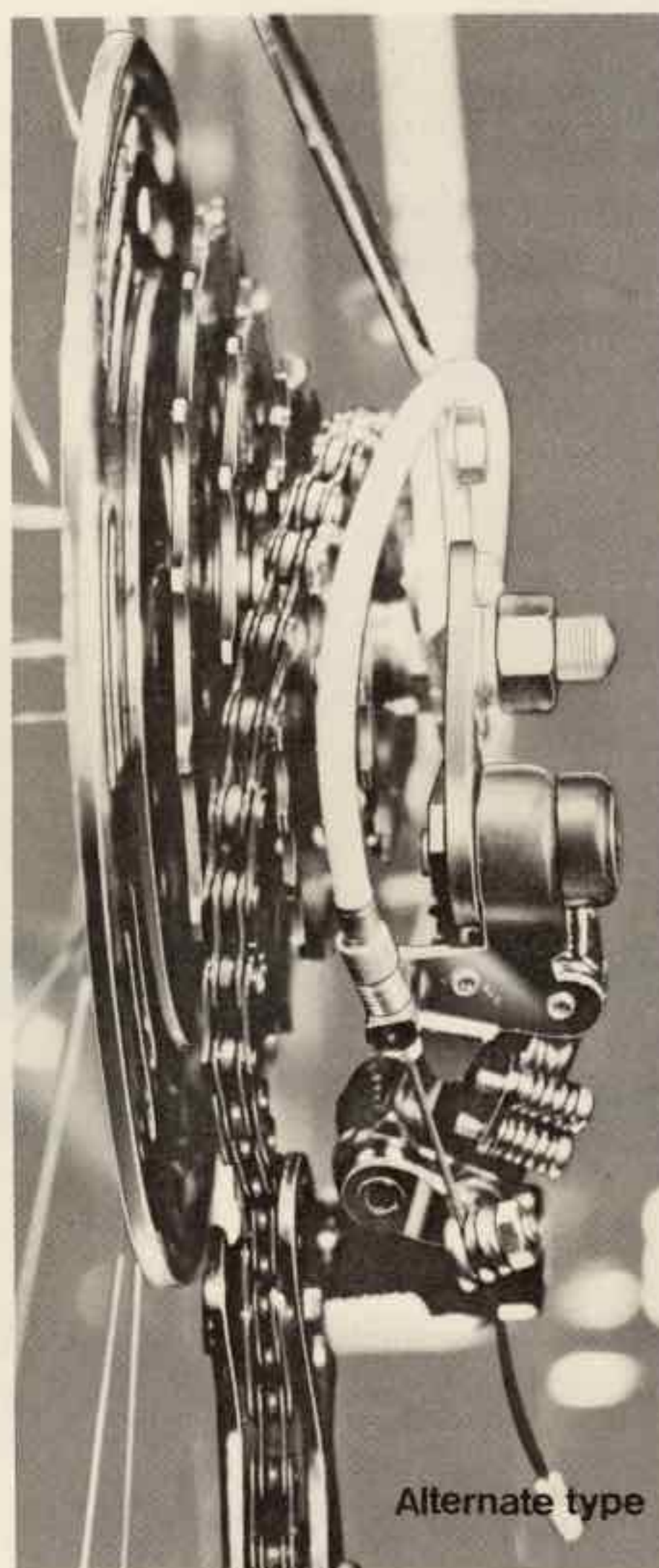
14, 17, 22, 27, 32T 14, 17, 22, 28A, 34AT (LT)

14, 17, 21, 26A, 32AT

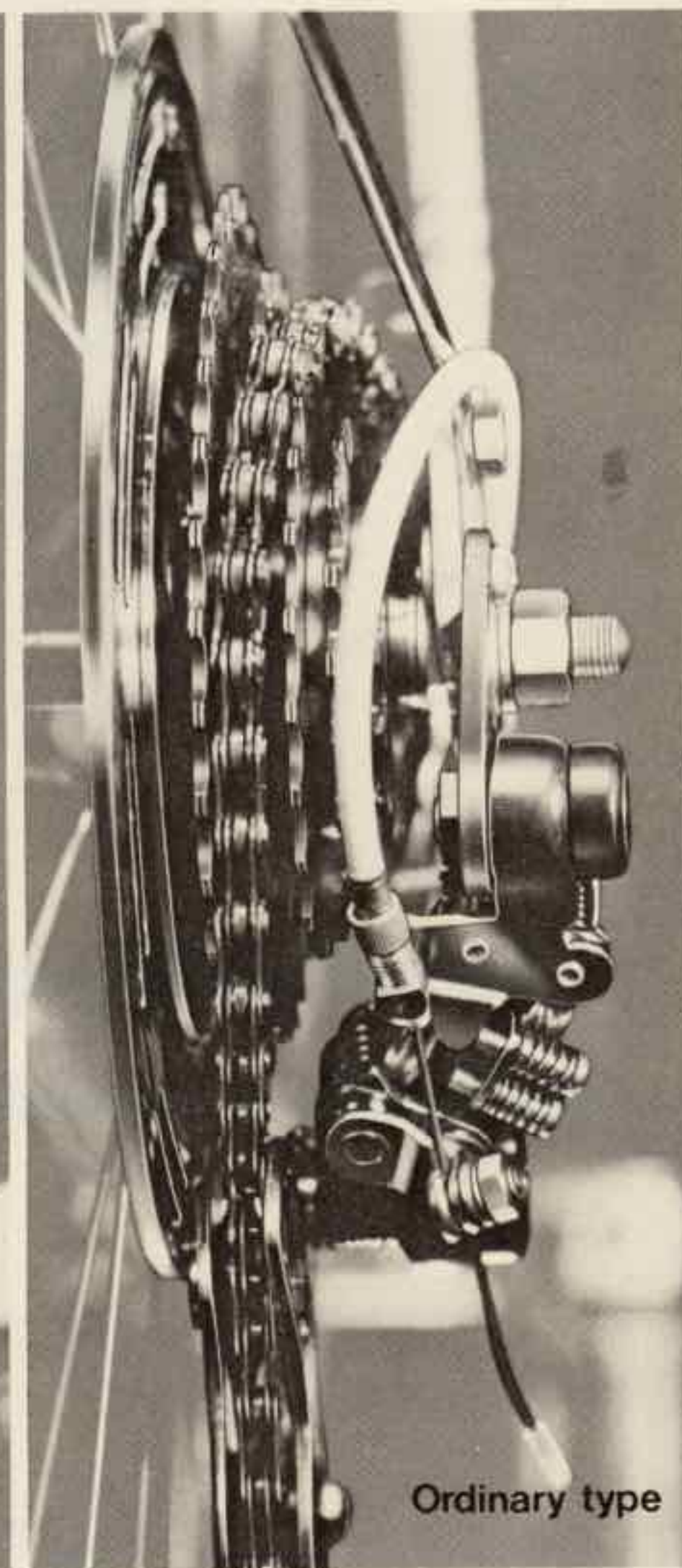
(LT): with Seal and Top Protector

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".



Alternate type



Ordinary type



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 18 teeth

1/2" x 1/8" x 19 teeth

1/2" x 1/8" x 20 teeth

1/2" x 1/8" x 22 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

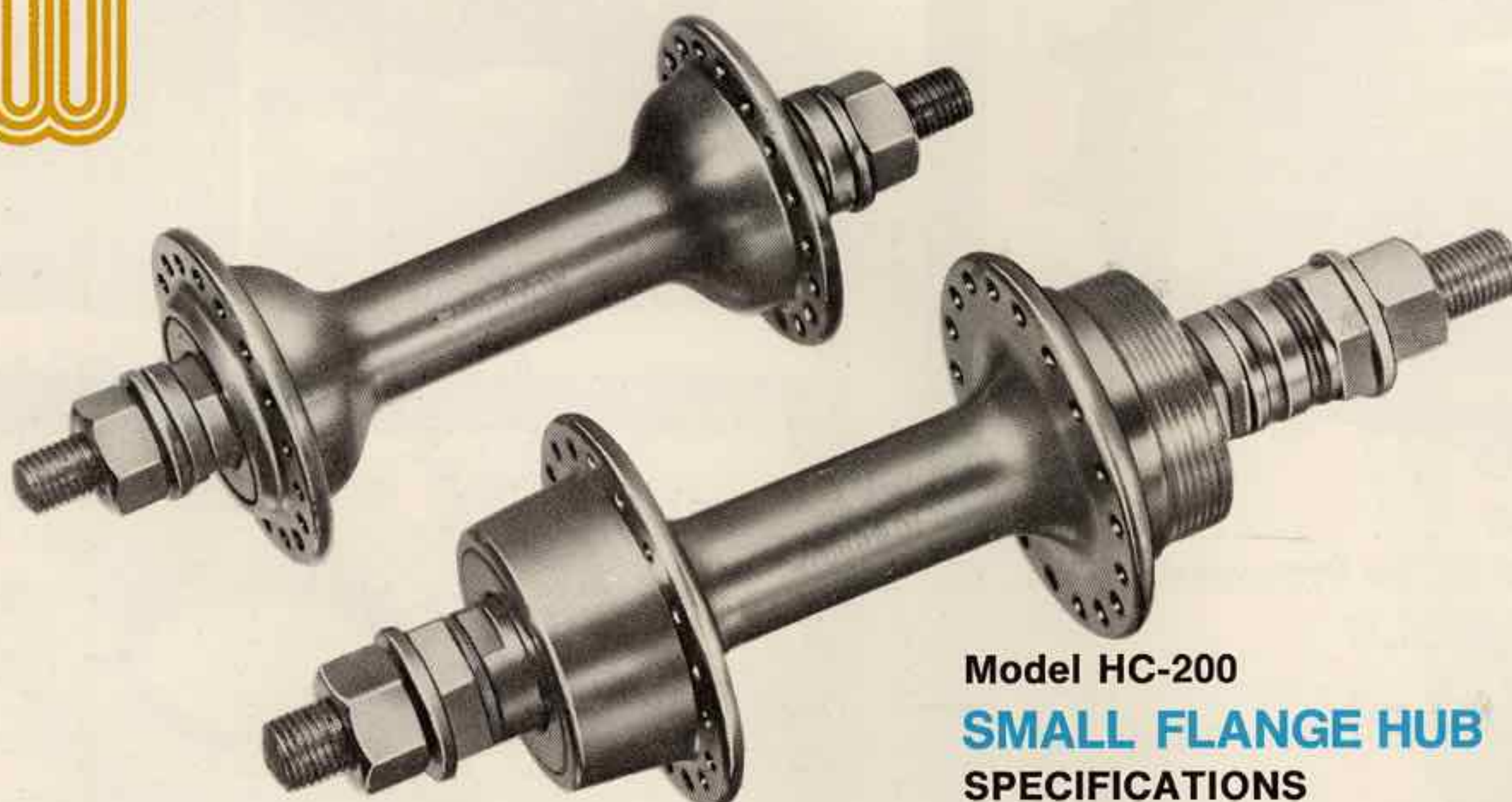
Thread: 1.37" x 24 T.P.I.

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

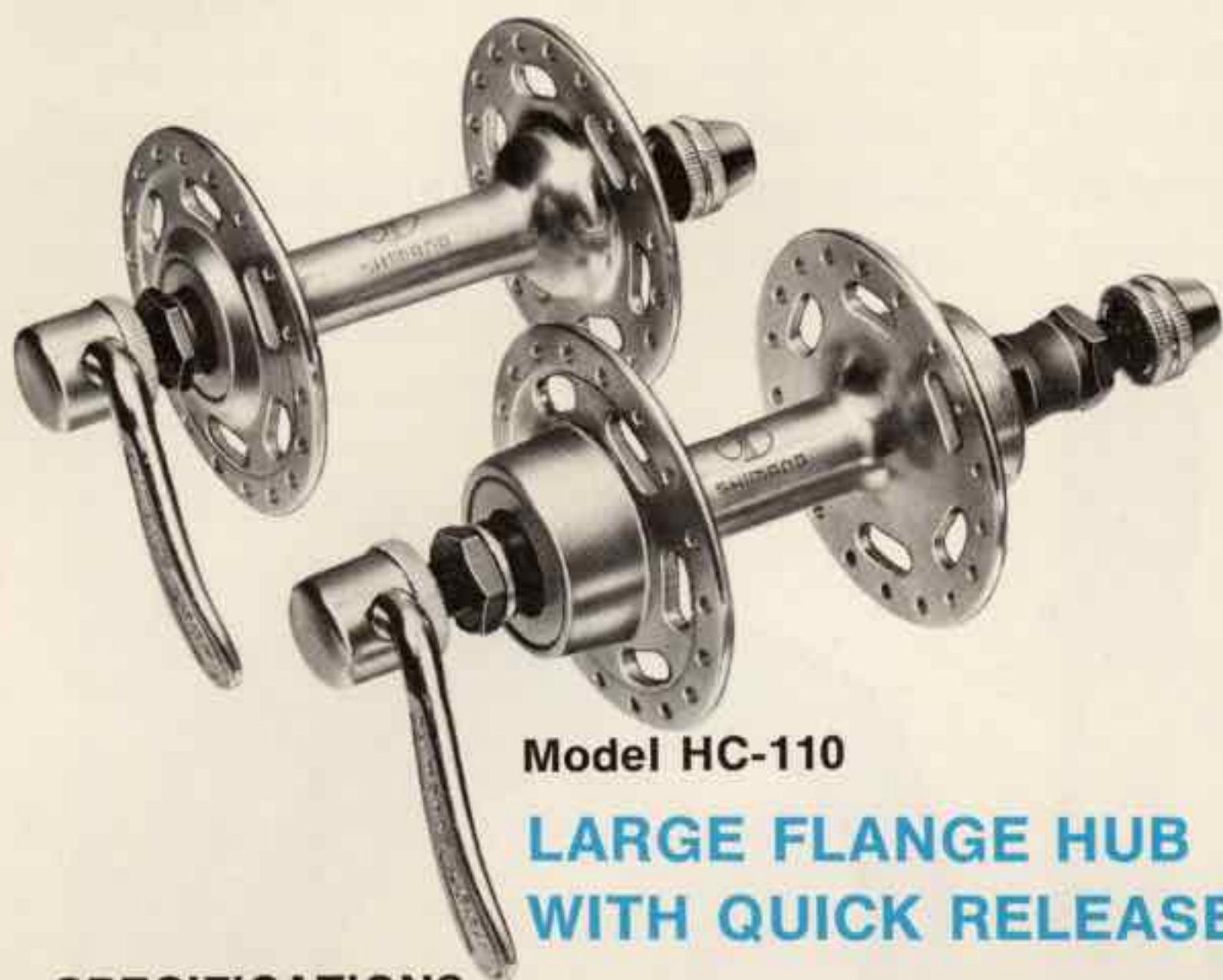
Type: Solid Axle Type with Hub Nut

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

Over Lock Nut Dimensions:

Front 3.78" (96mm), Rear 4.48" (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

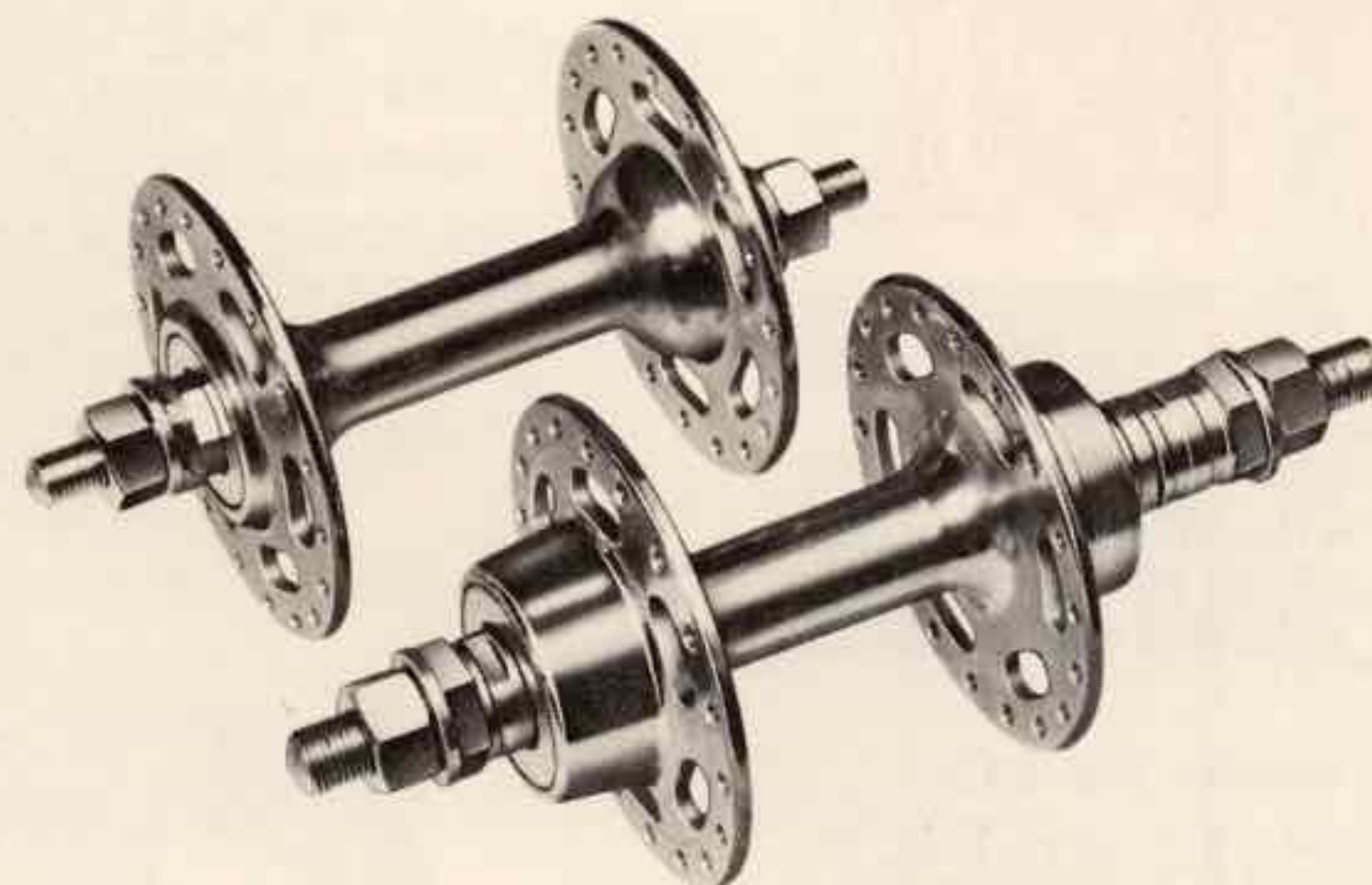
Type: Quick Release

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

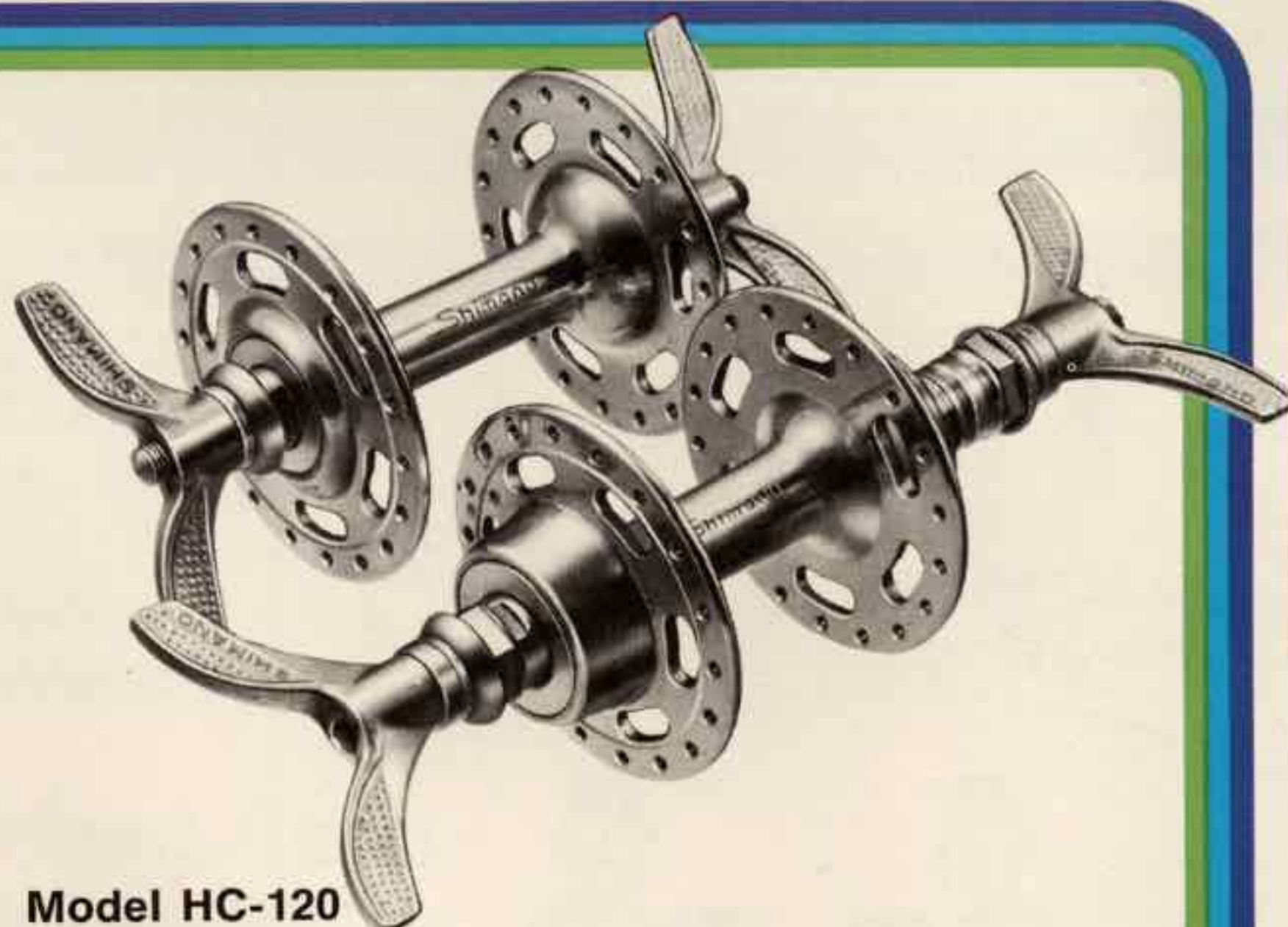
Type: Solid Axle Type with Hub Nut

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

Over Lock Nut Dimensions:

Front 3.78" (96mm), 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)

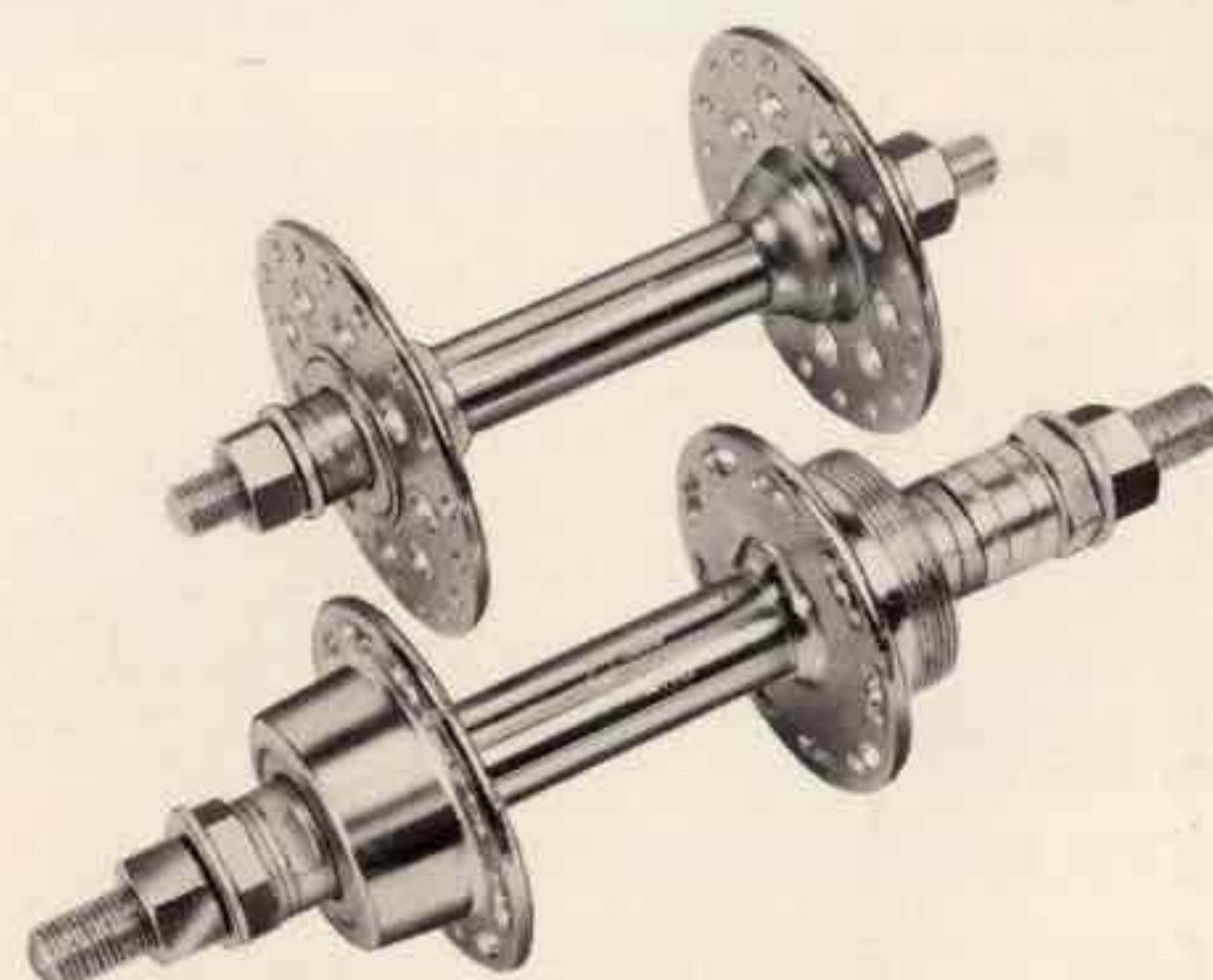
Material: Light Alloy

Type: Solid Axle Type with Wing Nut

Over Lock Nut Dimensions:

Front 3.87" (96mm), 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 3.78" (96mm), Rear 4.48" (124mm)

Spoke Holes: 28H and 36H

SHIMANO Caliper Brakes

new



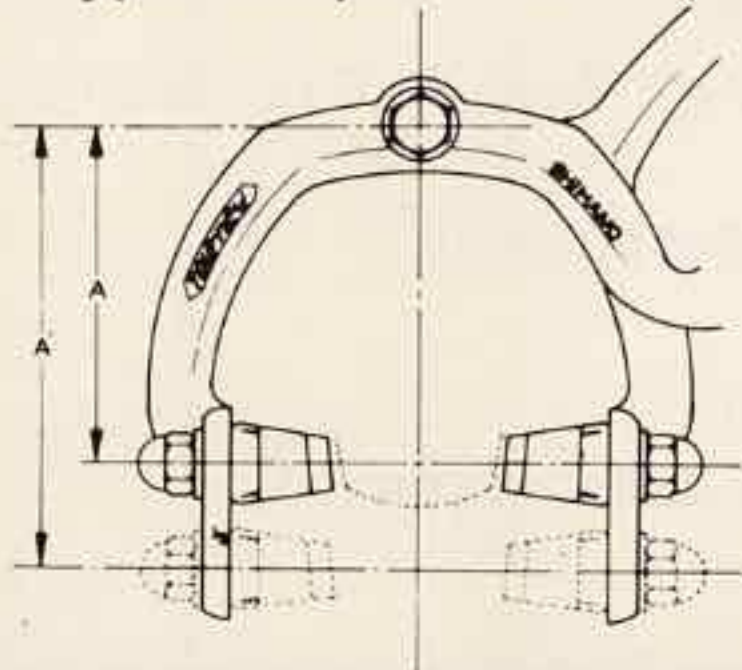
Model BB-210

AUTO ADJUST

SPECIFICATIONS

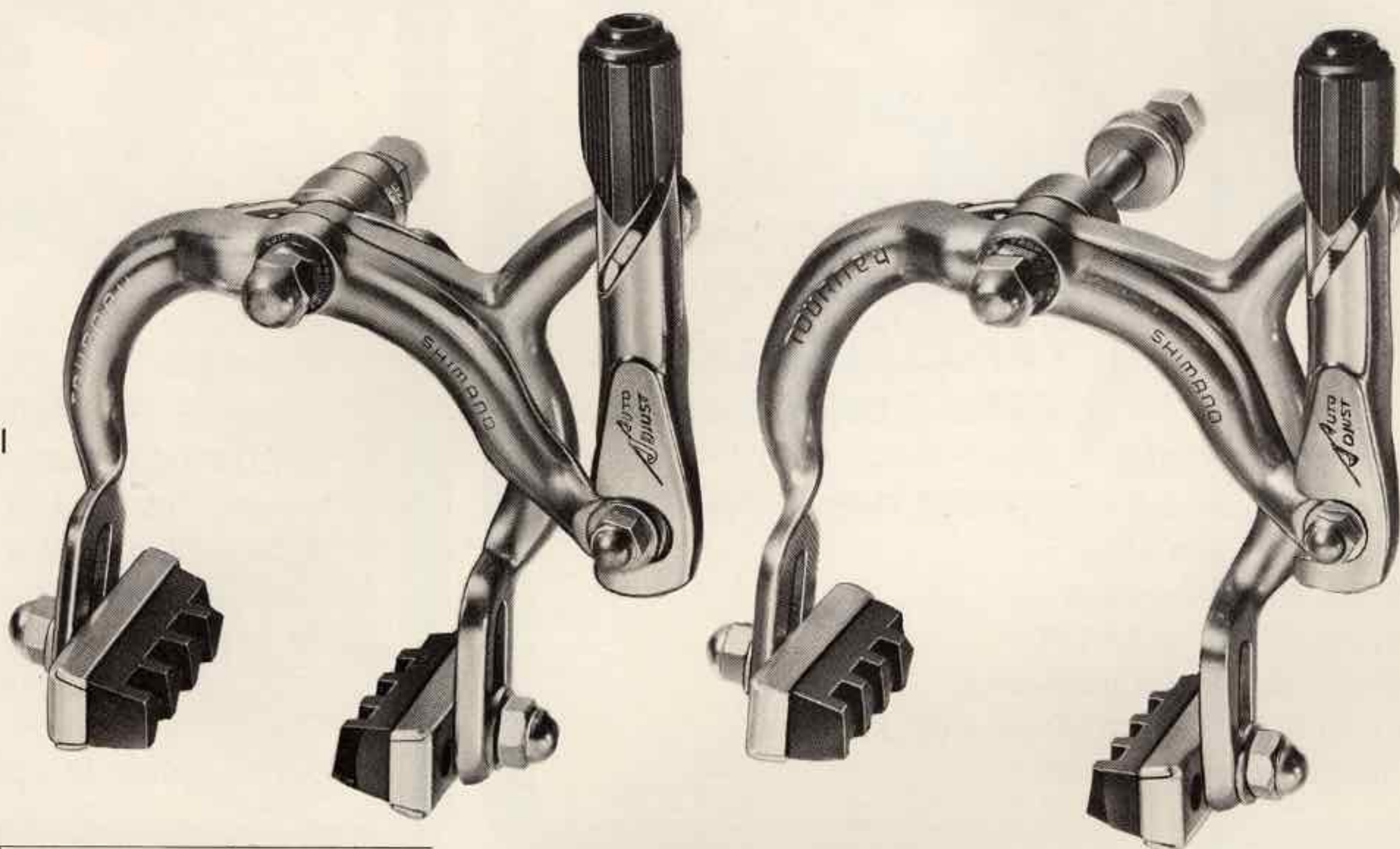
Material: Light Alloy

Type: Caliper Brake Side Pull



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.



Standard	with Auto Adjust	A-A'
CS-79	CS-79A	61mm(2.4") — 79mm(3.1")
CS-72	CS-72A	54mm(2.1") — 72mm(2.8")

new

Model BE-100

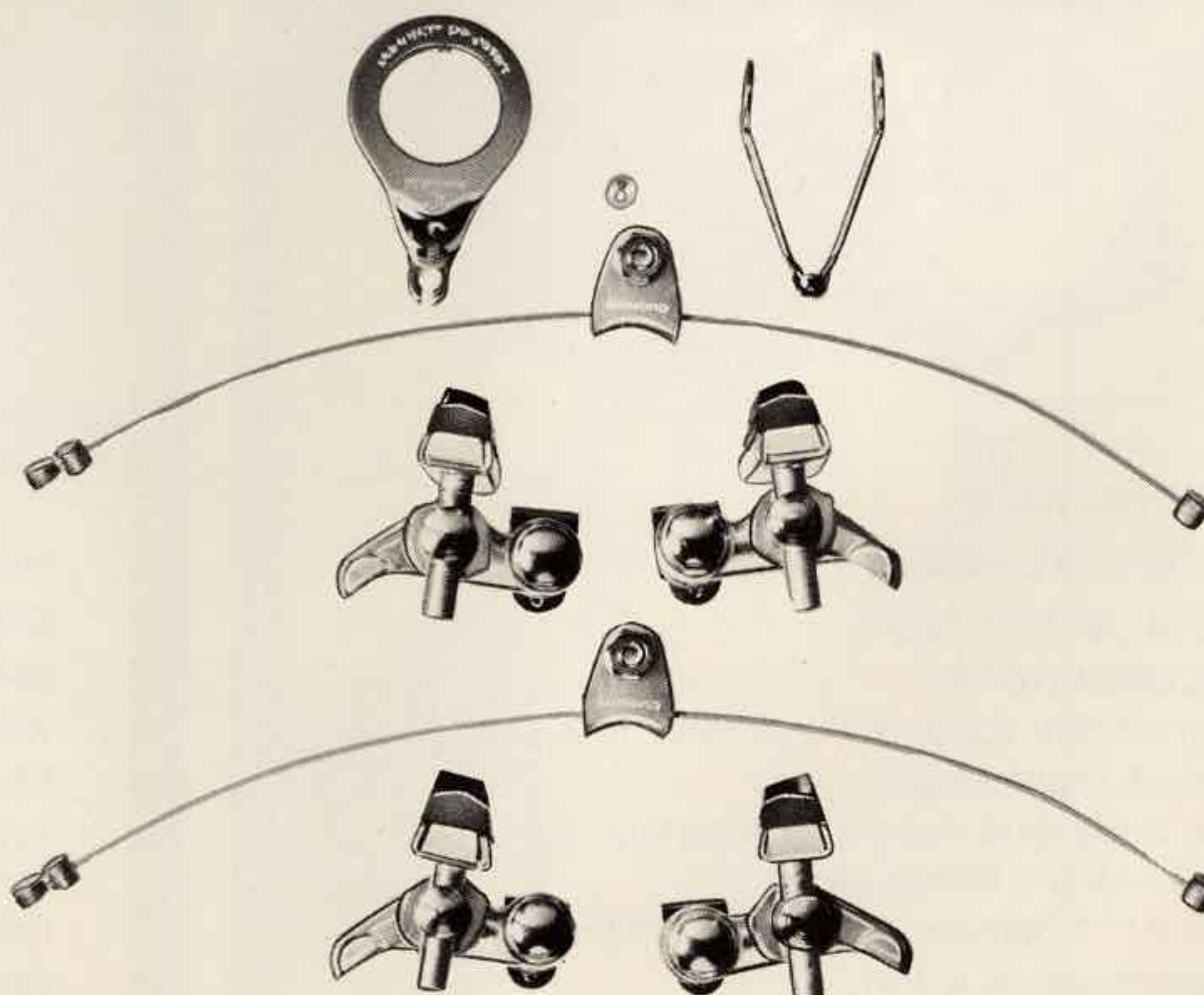
CANTILEVER BRAKE

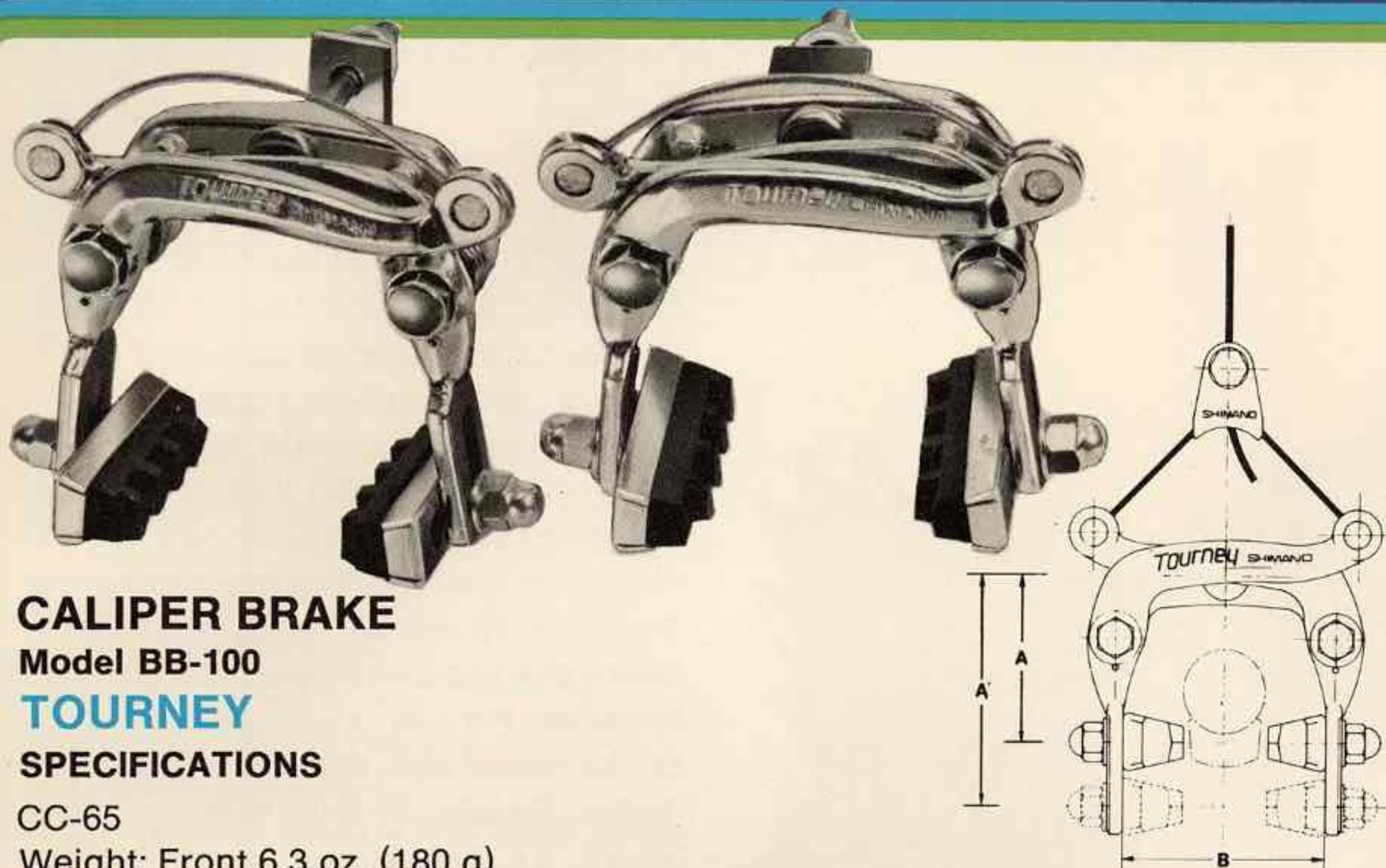
The CANTILEVER BRAKE shoes can be adjusted in 3 ways to ensure that they meet the rim firmly and precisely. This is accomplished by a special washer, which when adjusted, can change the angle at which the brake shoe meets the rim.

SPECIFICATIONS

Weight: 11.9 oz. (338 g)

Material: Light Alloy and Steel
With Brake Mounting Shaft





CALIPER BRAKE

Model BB-100

TOURNEY

SPECIFICATIONS

CC-65

Weight: Front 6.3 oz. (180 g)

Rear 6.3 oz. (180 g)

CC-75

Weight: Front 6.5 oz. (185 g)

Rear 6.5 oz. (185 g)

Material: Light Alloy

Type: Caliper Brake Center Pull

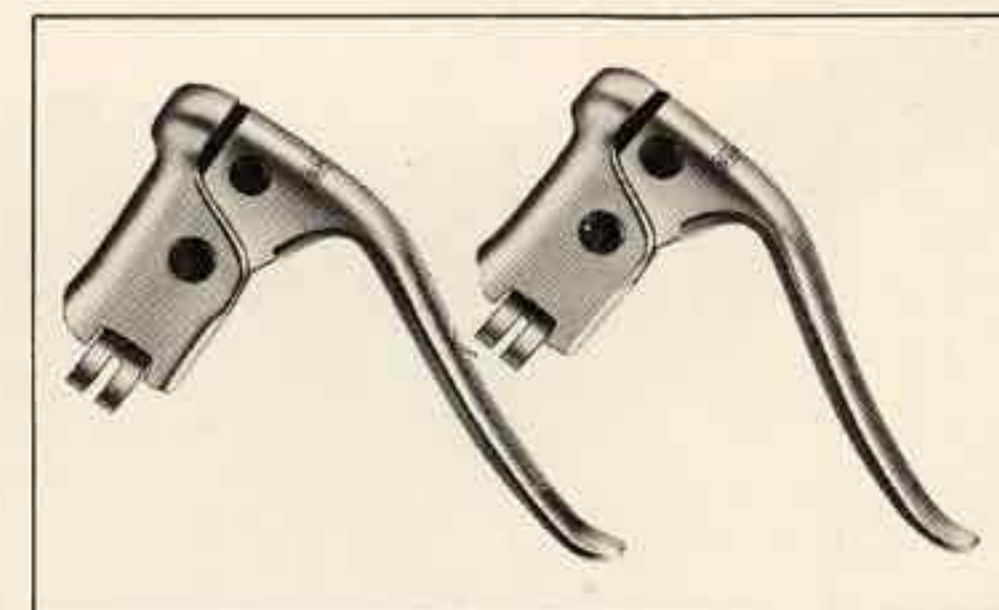
Type	A-A'	B
CC-65	47mm(1-7/8") — 65mm(2-1/2")	59mm(2-5/16")
CC-75	57mm(2-1/4") — 75mm(3")	65mm(2-1/2")

BRAKE LEVER

Model MB-100

Hooded Lever

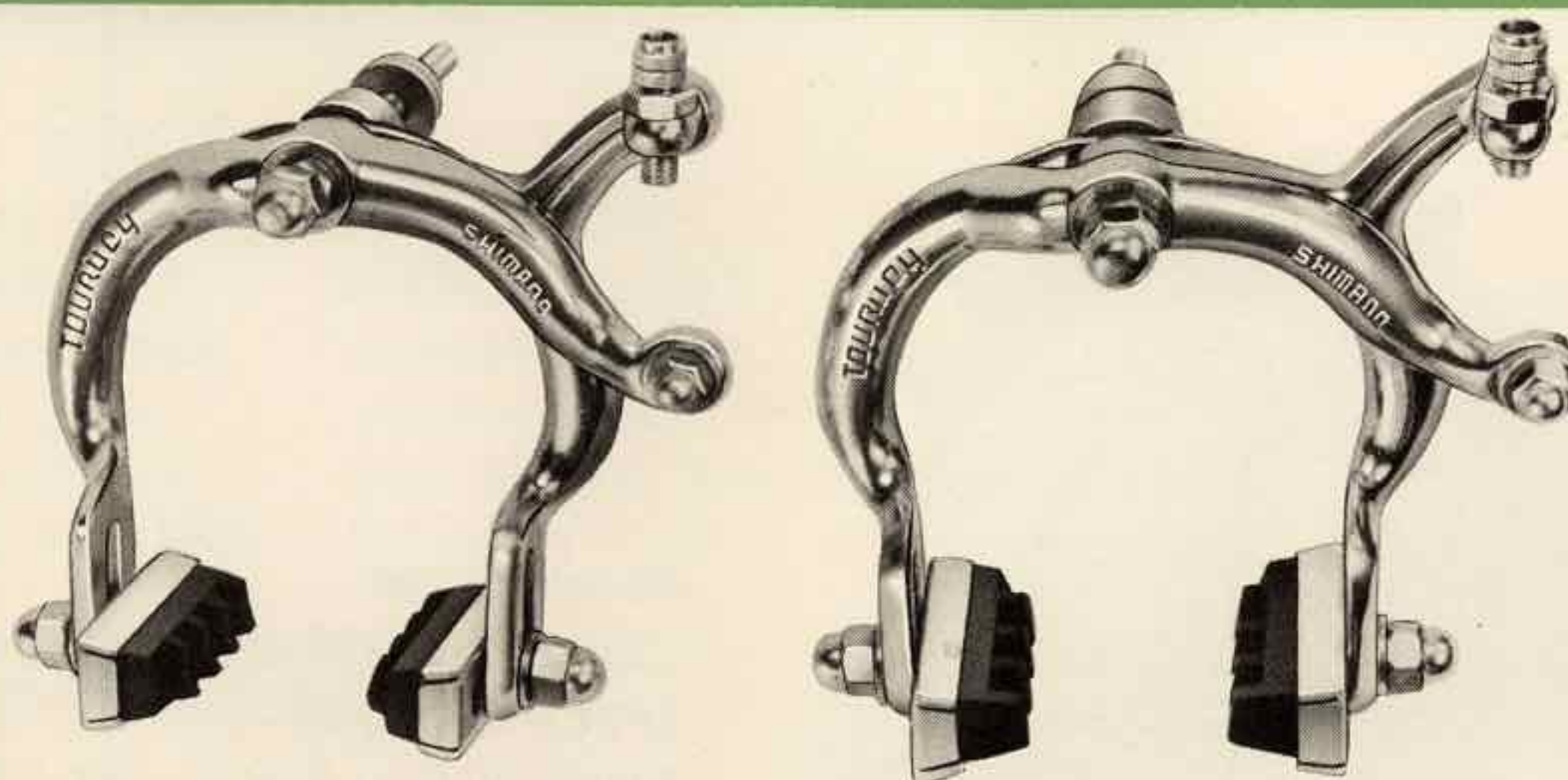
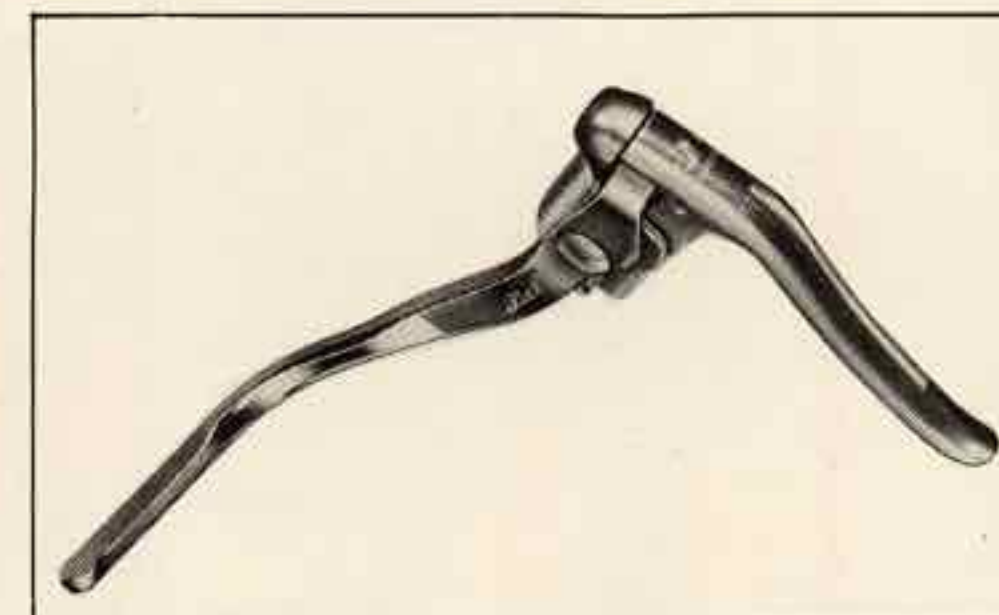
Clamp Diameter: 22.2φ. 23.8φ



Model MB-110

Dual Extension Lever

Clamp Diameter: 22.2φ. 23.8φ



CALIPER BRAKE

Model BB-200 (Standard)

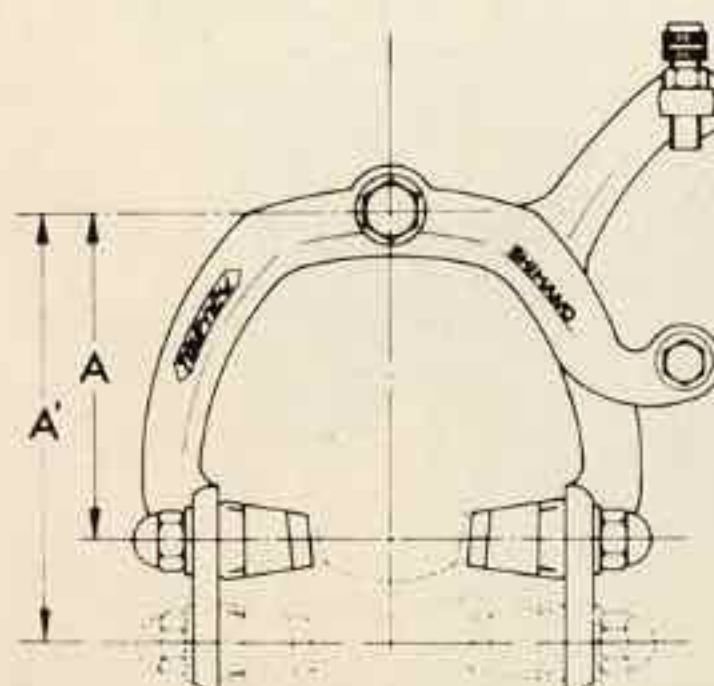
TOURNEY

SPECIFICATIONS

Material: Light Alloy

Type: Caliper Brake Side Pull

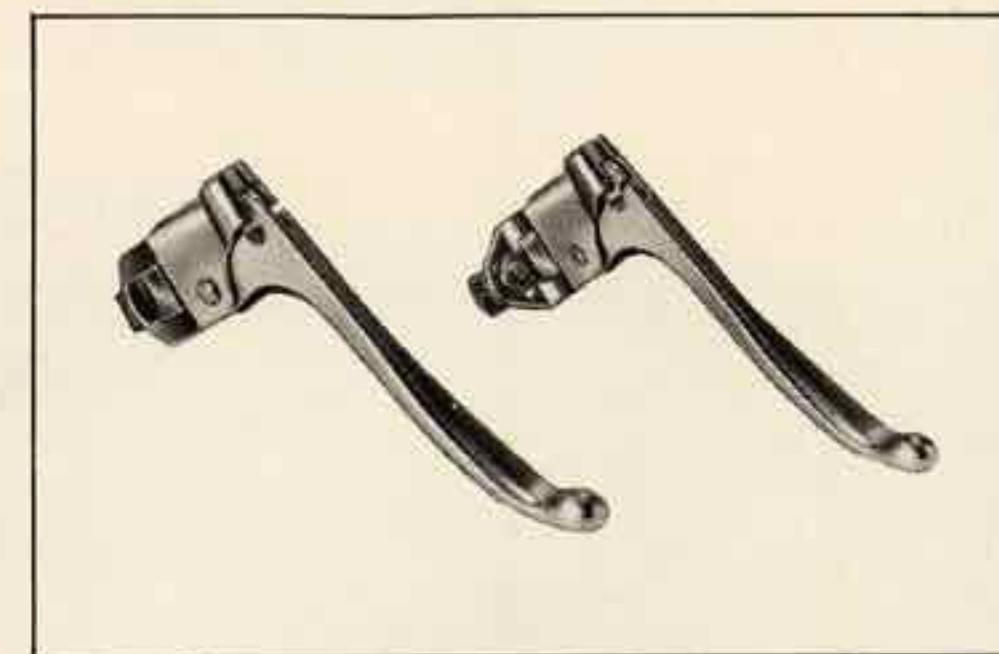
Type	A-A'
CS-79	61mm(2.4") — 79mm(3.1")
CS-72	54mm(2.1") — 72mm(2.8")



BRAKE LEVER

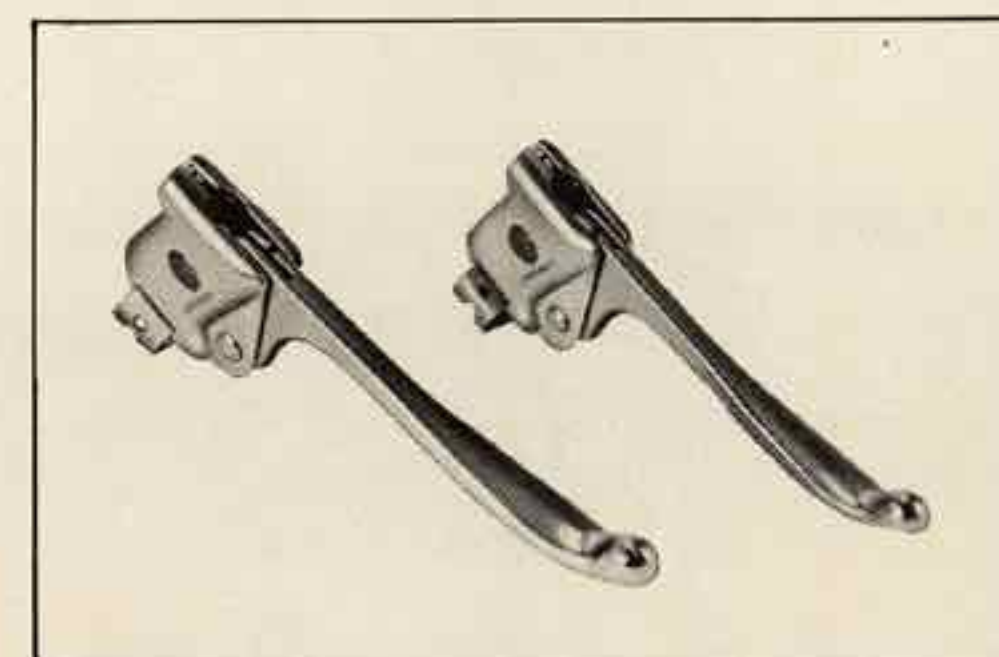
Model MD-100

Popular Lever (22.2φ)



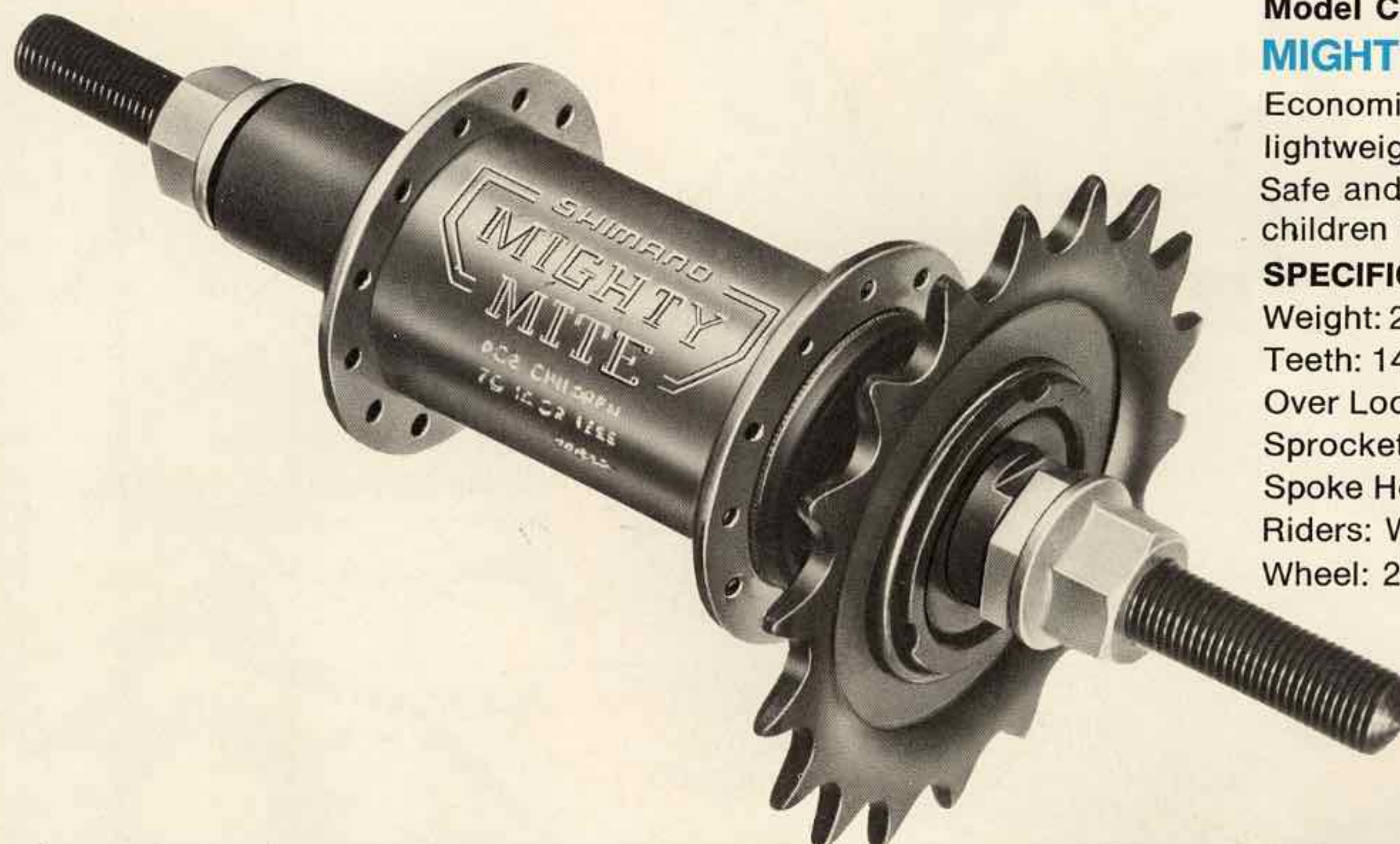
Model MC-100

Tourist Lever (22.2φ)



SHIMANO Coaster Brakes

new



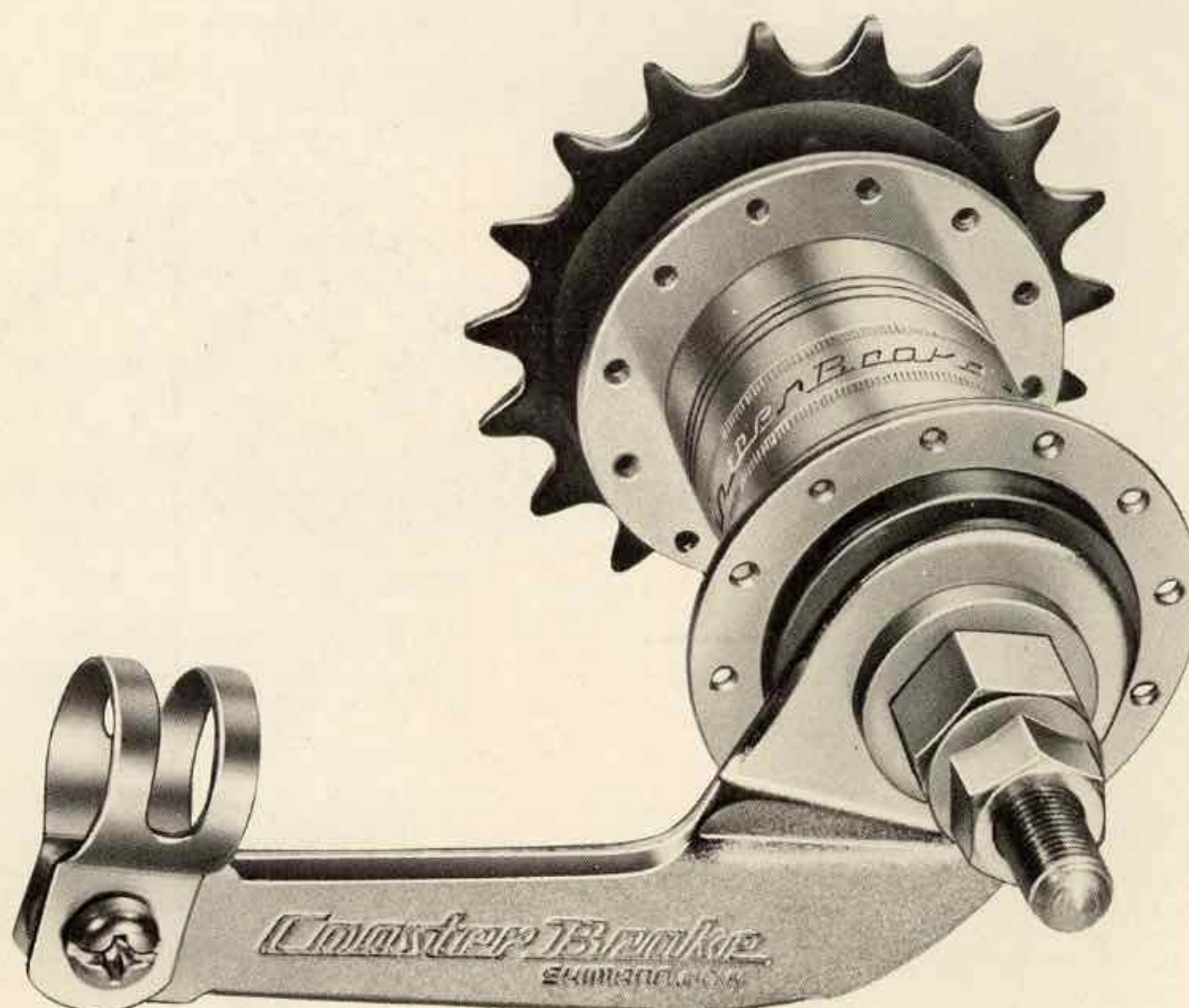
Model CC-100

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

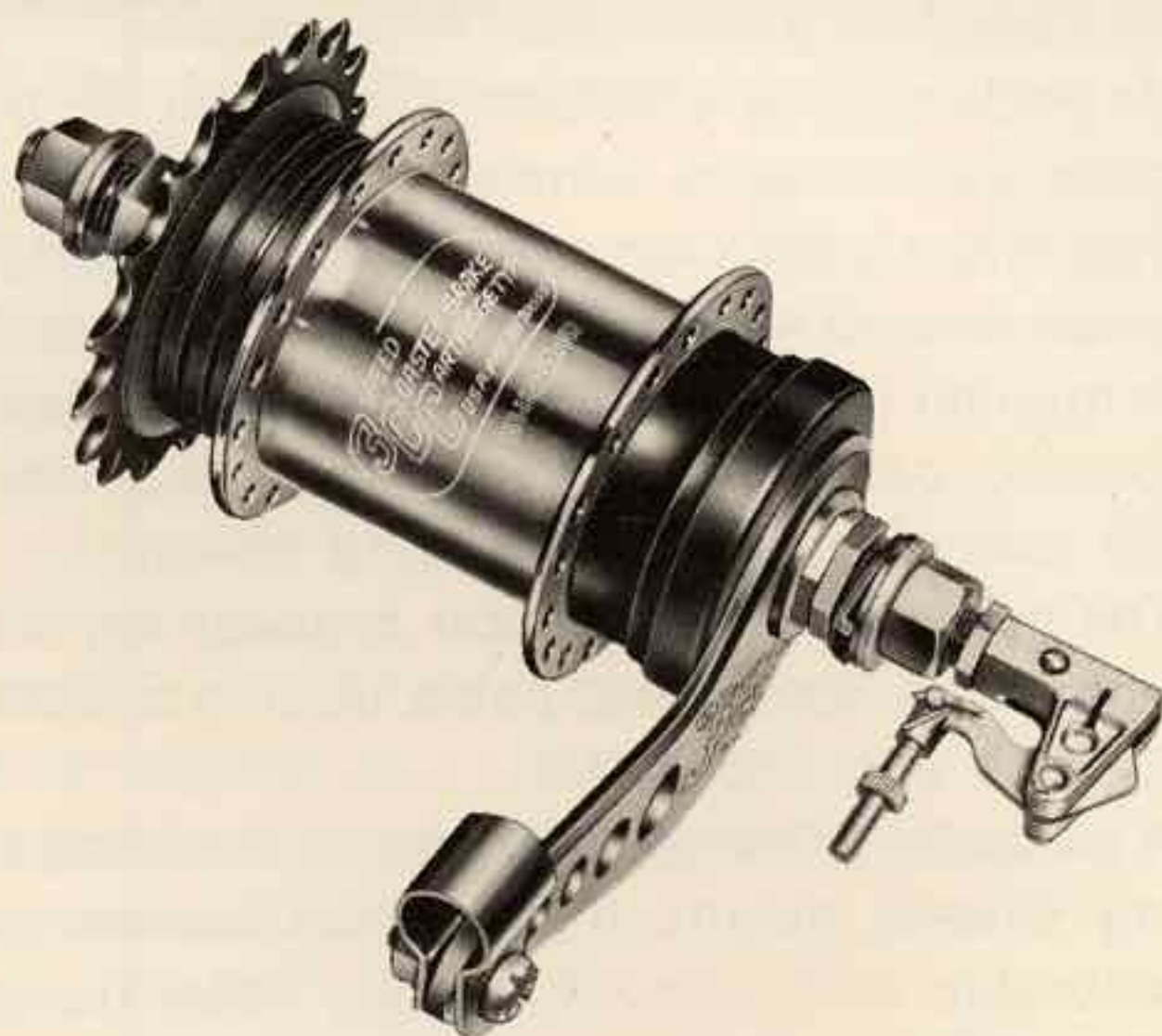
Weight: 30.0 oz. (850g)
 Teeth: 14, 15, 16, 18, 19, 20
 Over Lock Nut Dimension: 4.29" (109mm)
 Sprocket: 1/2" x 1/8" Chain
 Spoke Holes: 20H, 24H, 28H, 36H



Model TB-100

THREE SPEED HUB SPECIFICATIONS

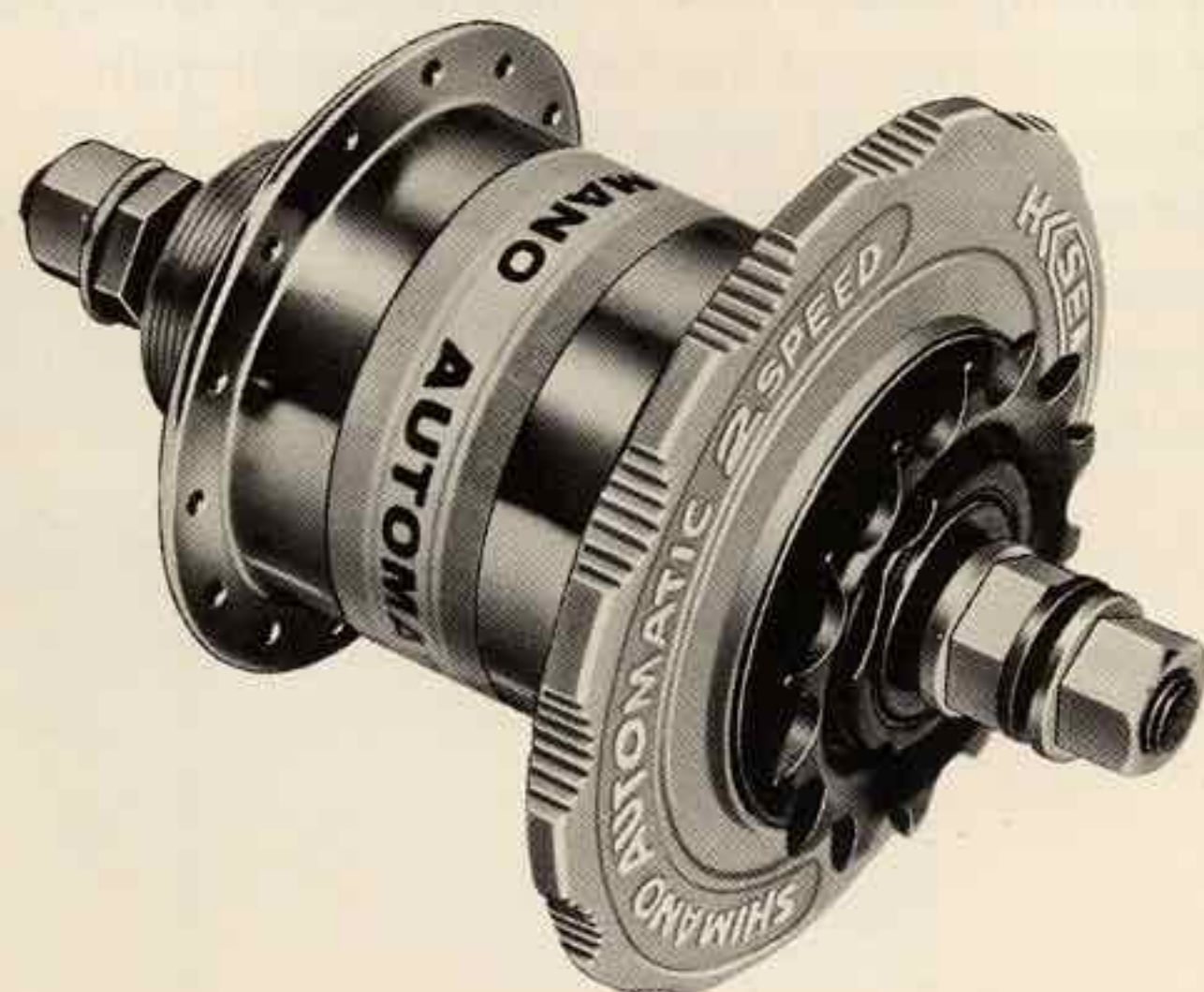
Weight: 38.8 oz. (1,100 g)
Teeth: 14, 15, 16, 18, 19, 20
Gear Ratio: (H) 1:1.33 (N) 1:1 (L) 1:0.75
Over Lock Nut Dimensions: 4.37" (110.9mm)
Sprocket: 1/2" x 1/8" Chain
Spoke Holes: 28H, 36H



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

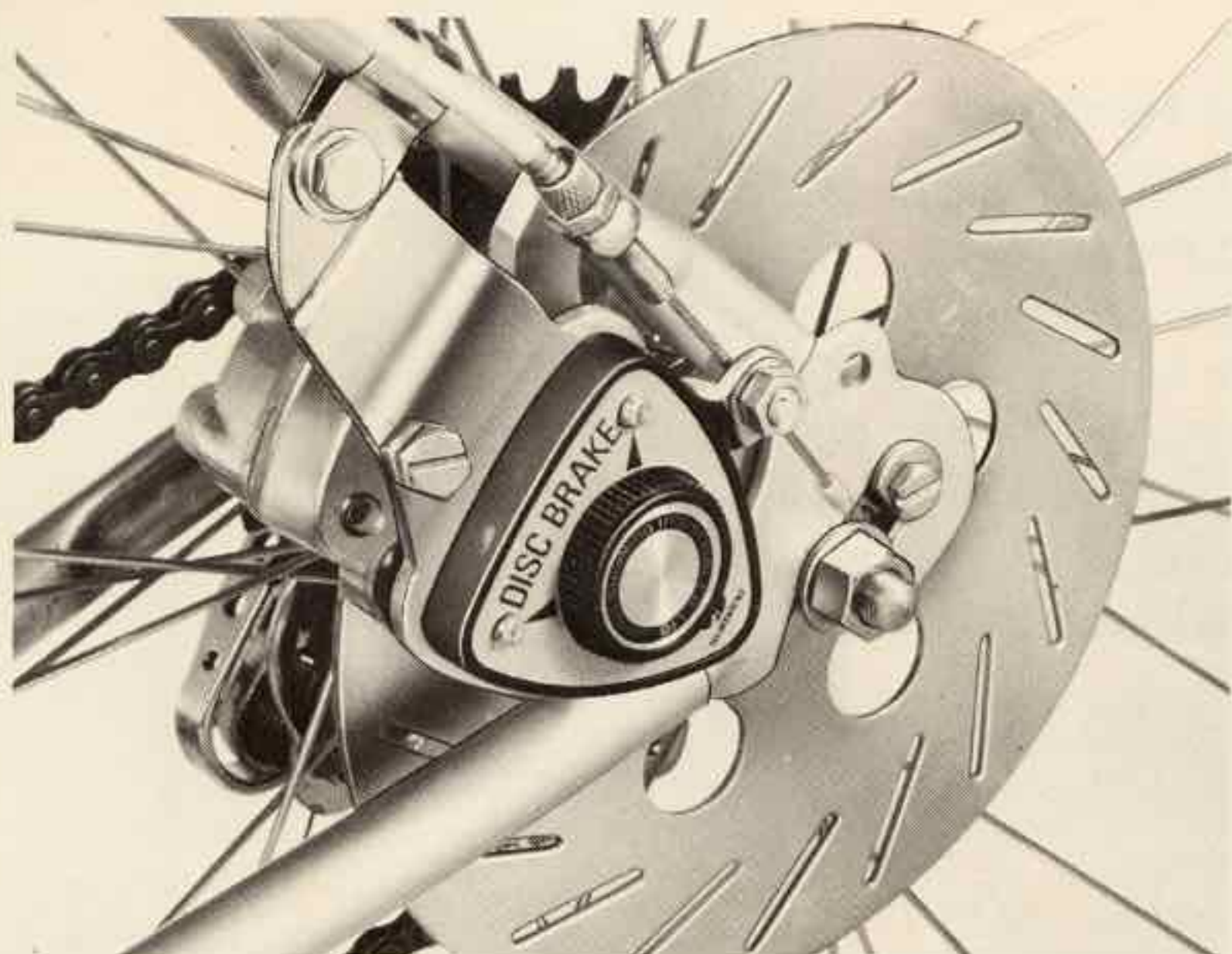
AUTOMATIC 2-SPEED HUB

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 Dimensions: 4.40" (112.0mm)
Sprocket: 1/2" x 1/8" Chain
Spoke Holes: 28H, 36H

SHIMANO Disc Brake



Model BC-100

DISC BRAKE

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

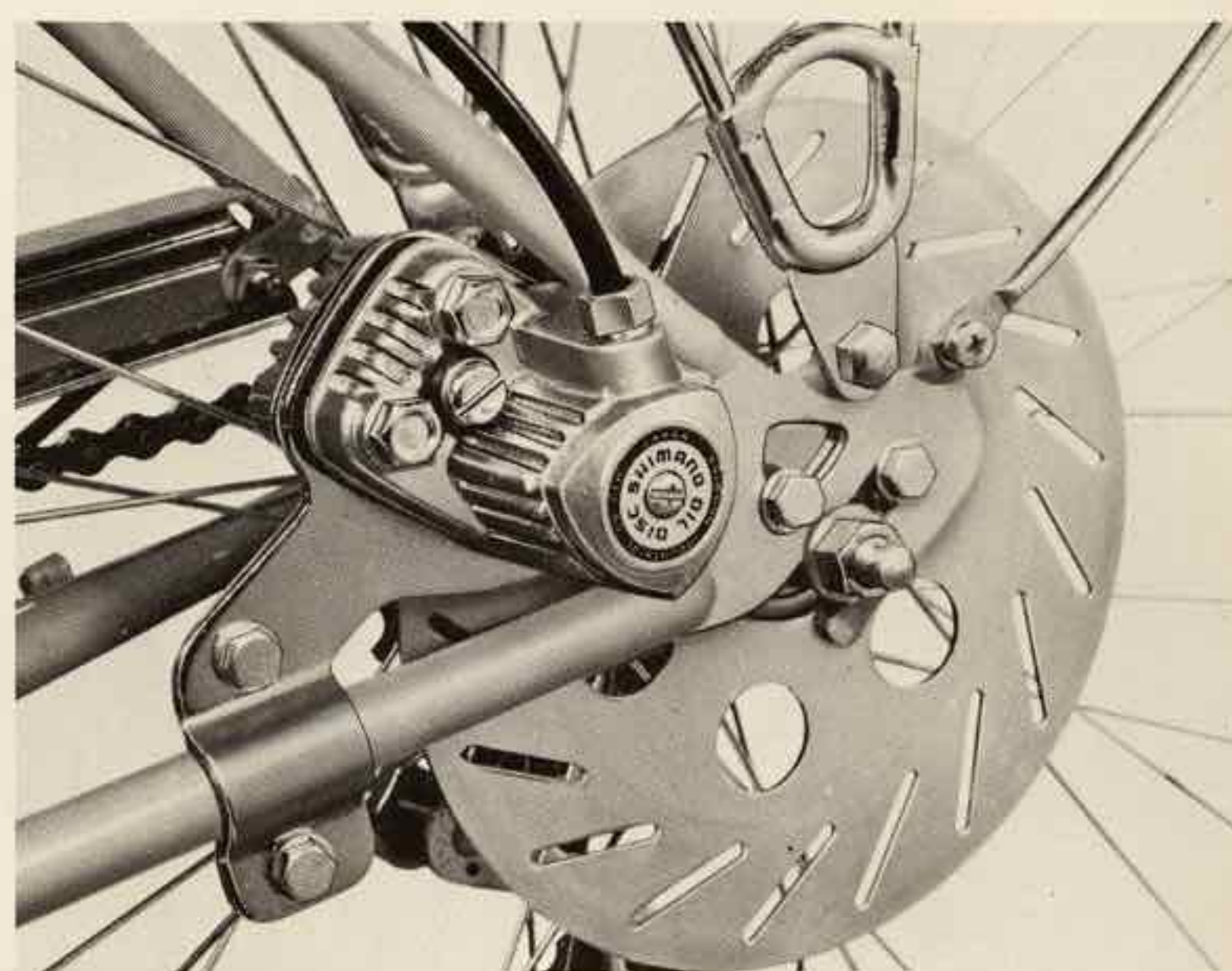
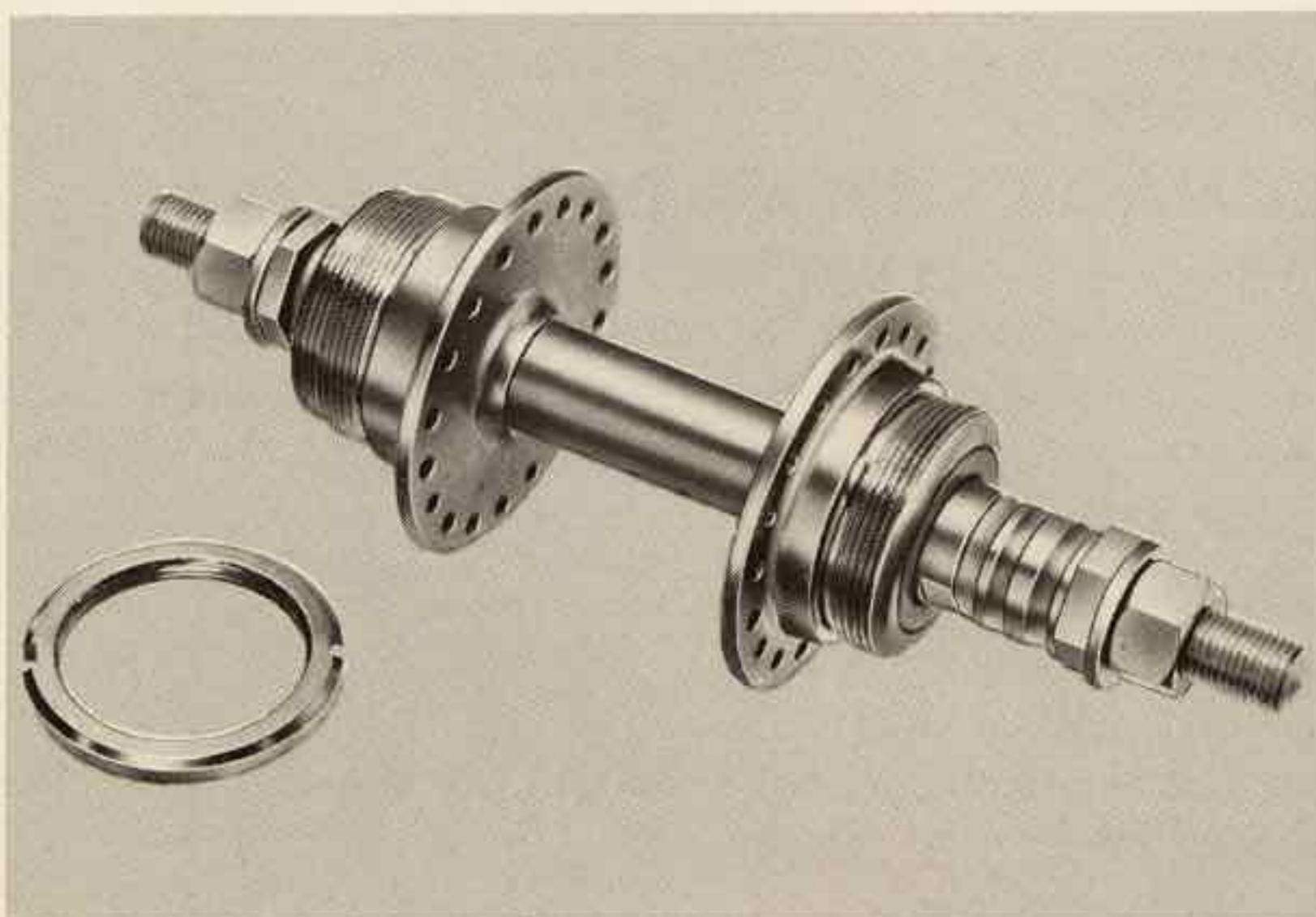
Rain or shine, there is almost no change in braking efficiency, thanks to a unique design. This means greater safety for cyclists.

*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.



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

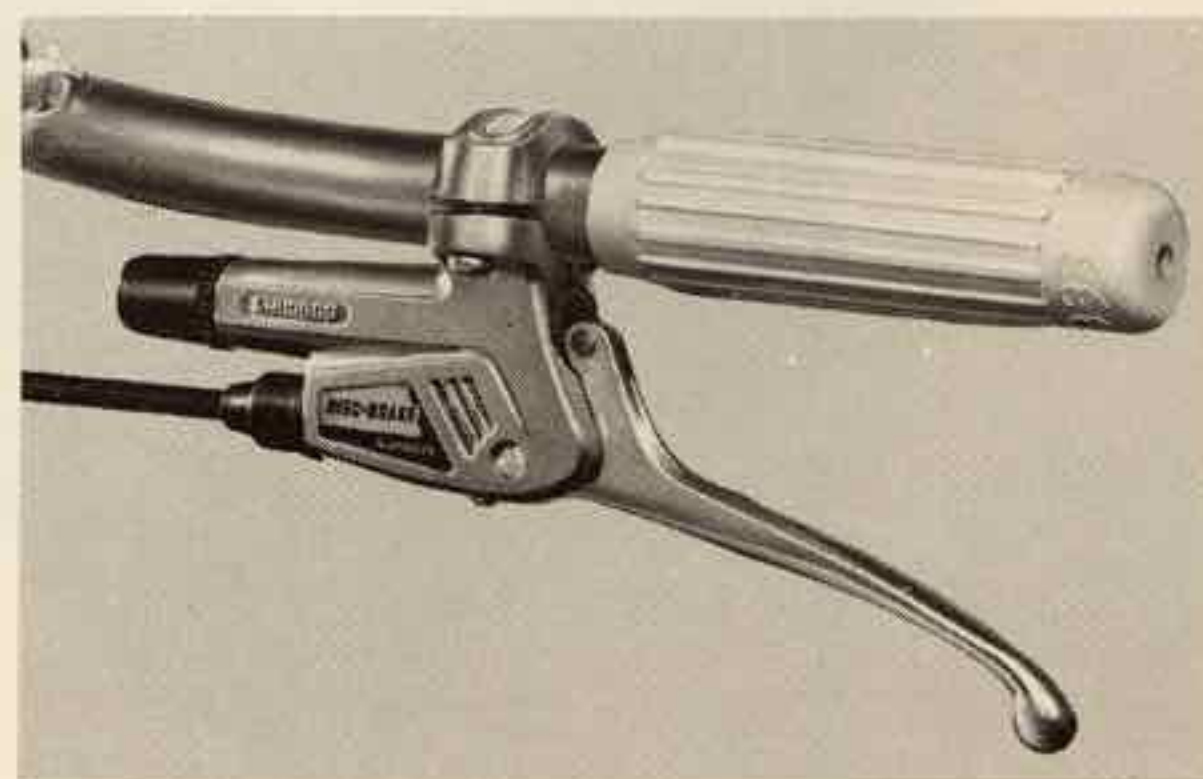
Made of stainless steel, the brake disc always remains completely free of rust.

*High durability

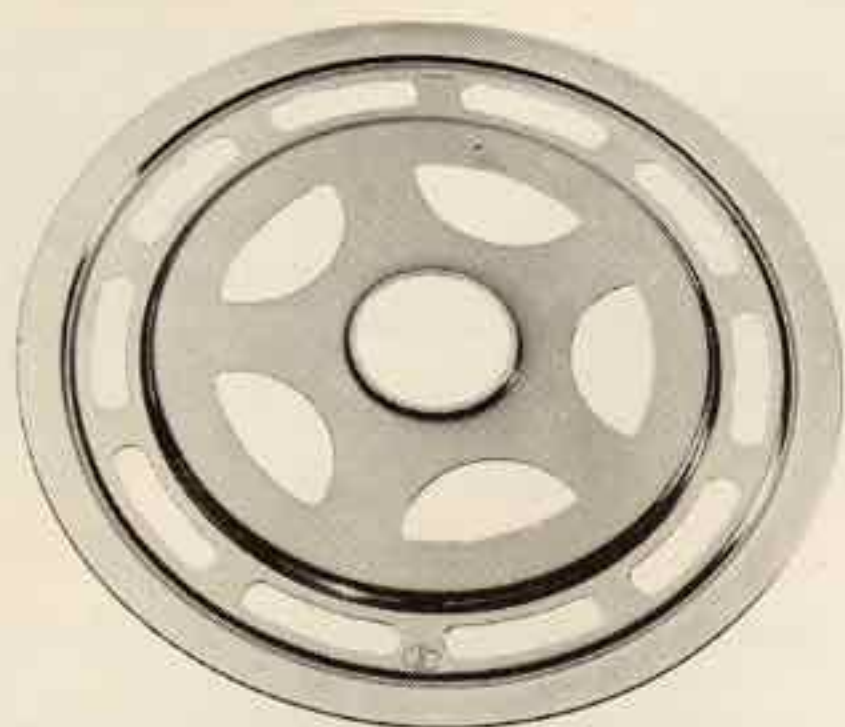
The brake pads developed especially by SHIMANO for this hydraulic disc brake feature marked durability and withstand the severest punishment.

*Strong, resilient nylon hose

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



SHIMANO Spoke Protectors and Universal Cables



Model PB-130
SPECIFICATIONS

Diameter: 7-1/2" (190mm)

Use Range: Low Sprocket 26 & 28 teeth



Model PB-140
SPECIFICATIONS

Diameter: 8-1/2" (215mm)

Use Range: Low Sprocket 32 & 34 teeth

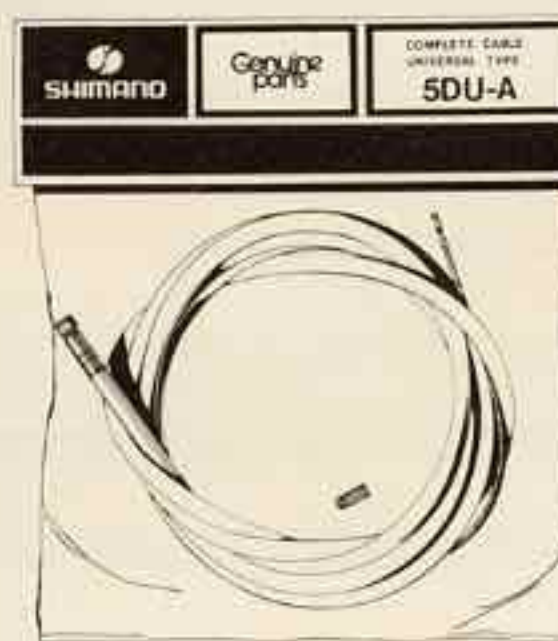
SPOKE & NIPPLES



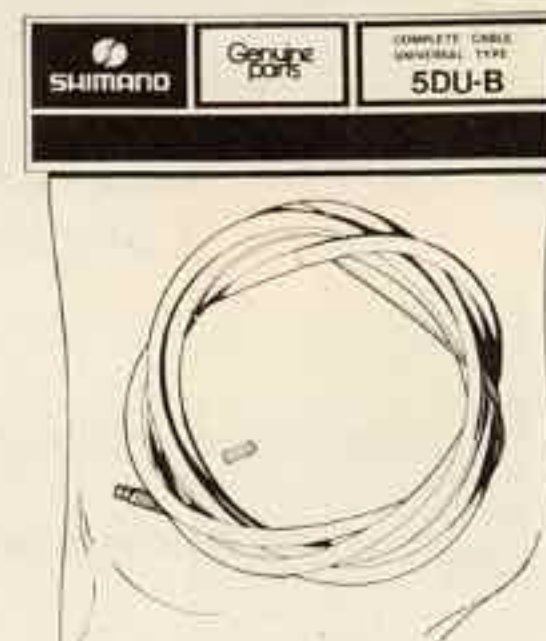
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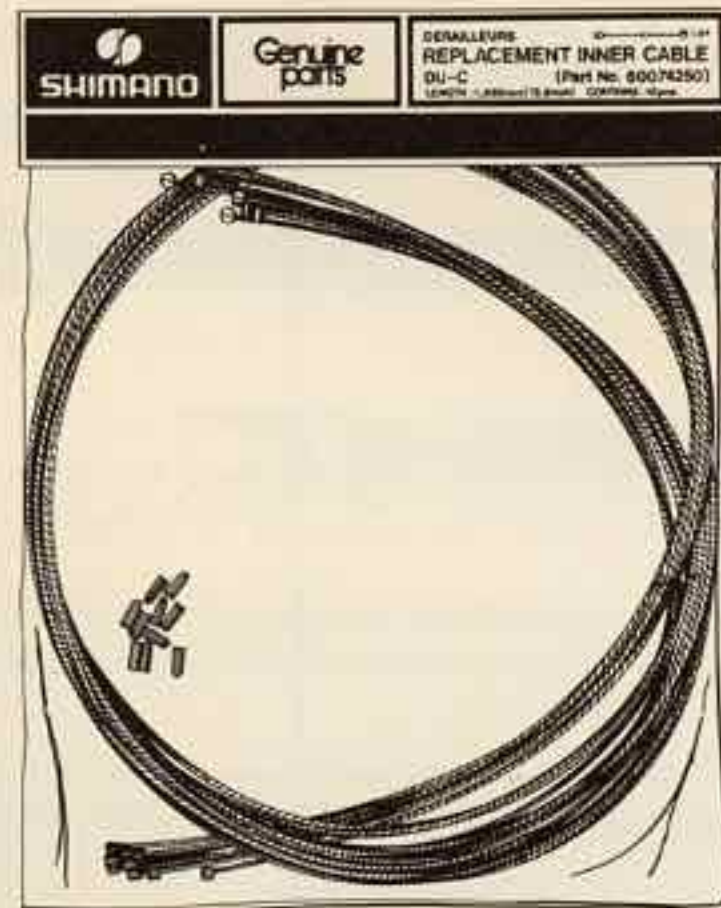
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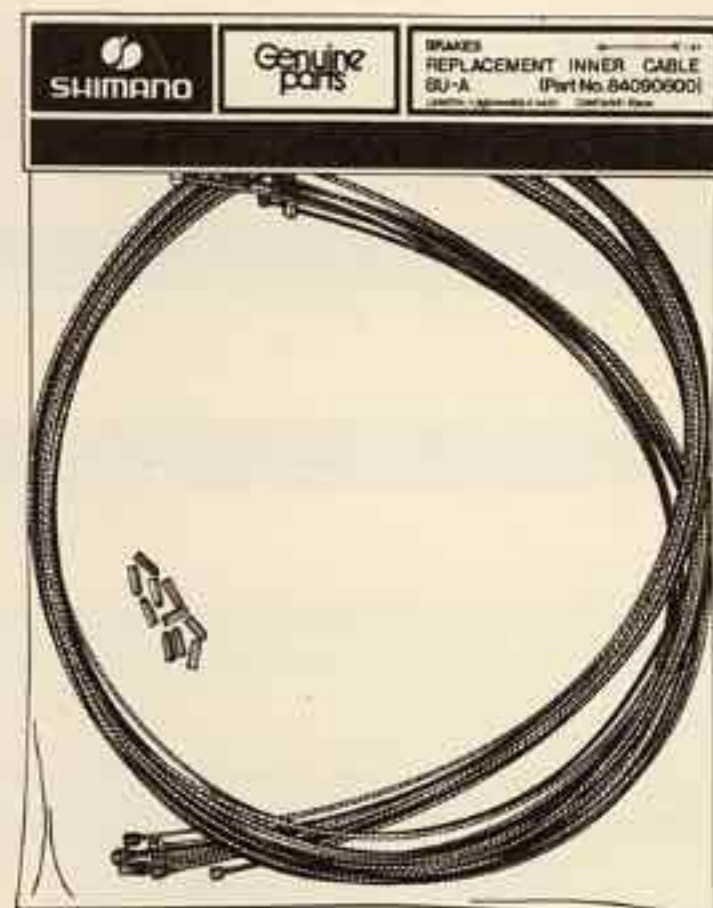
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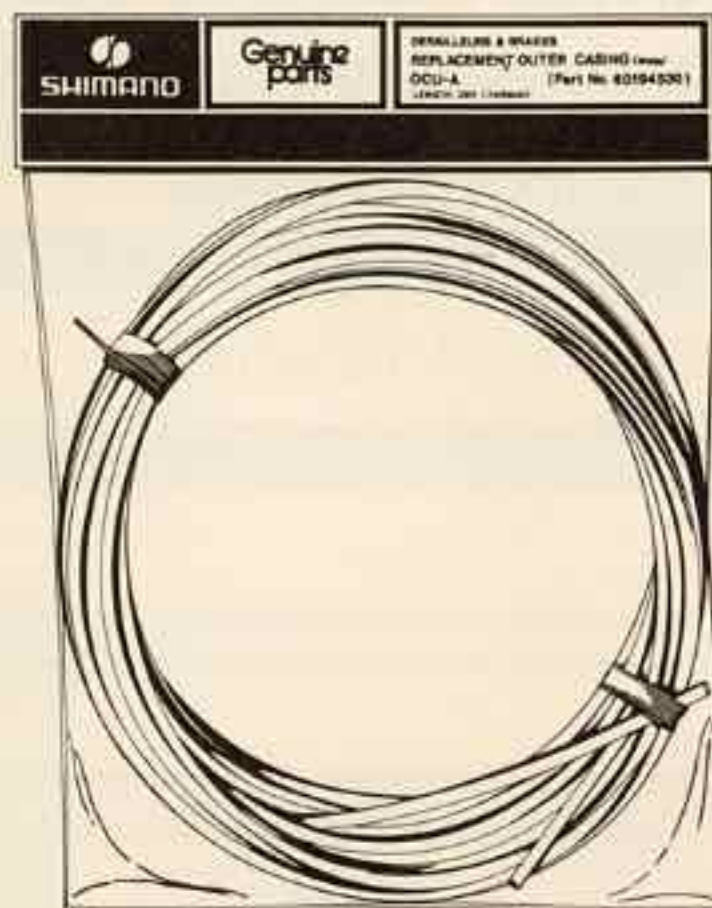
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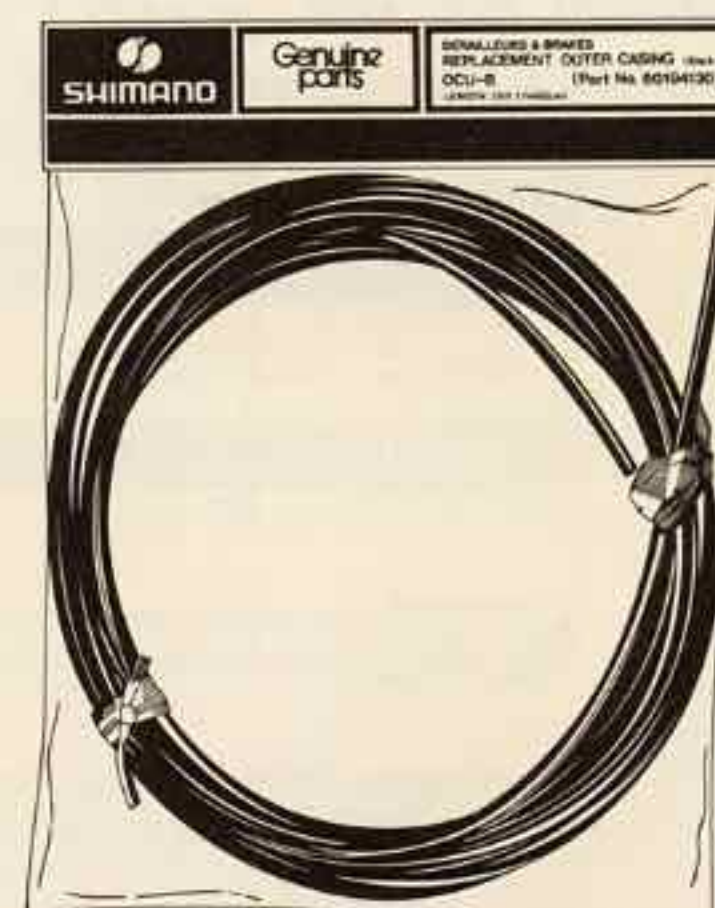
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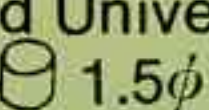
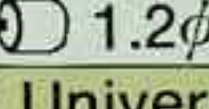
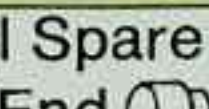
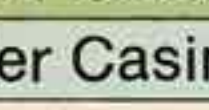


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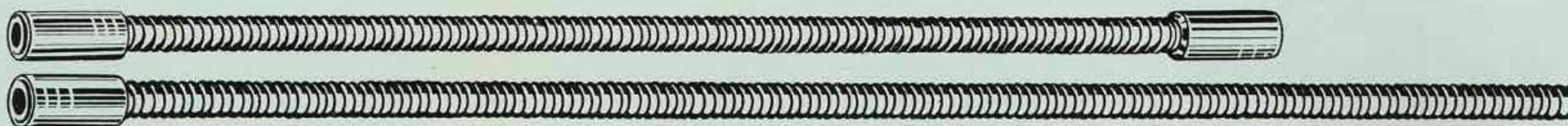


⑧

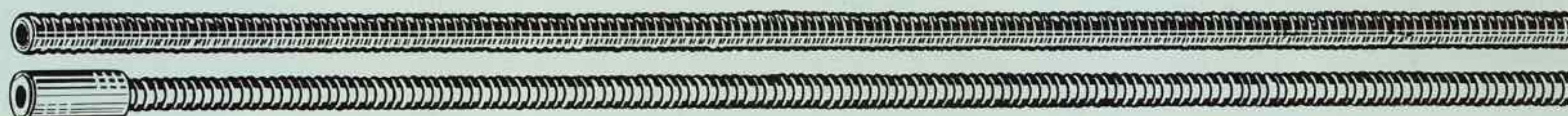


ITEM	MODEL NO.	DESCRIPTION	USAGE
1	KB-220	Universal Joint	
2	WS-100	#3SU Three Speed Universal Spare Cable With Universal Joint	All Kinds of SHIMANO Three Speed Hub and Three Speed Coaster Brake Control Lever
3	WT-100	#5DU-A 5 and 10 Speed Universal Spare Cable Shape of Cable End  1.5φ	5 Speed Click Stick and Console Lever
4	WT-110	#5DU-B 5 and 10 Speed Universal Spare Cable Shape of Cable End  1.2φ	5 and 10 Speed Ordinary Lever
5	WT-120	#DU-C 5 and 10 Speed Universal Spare Cable Shape of Double Cable End  1.5φ	5 and 10 Speed Shifting Lever
6	WU-100	#BU-A Brake Universal Spare Cable Shape of Double Cable End  1.8φ	All SHIMANO Brakes Except DURA-ACE
7	WA-100	#OCU-A Universal Outer Casing White	All Cables Except DURA-ACE
8	WV-110	#OCU-B Universal Outer Casing Black	

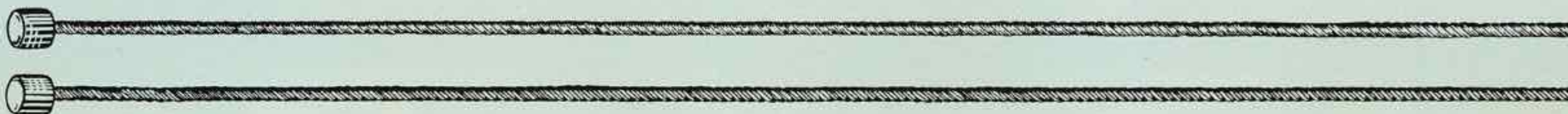
SHIMANO Outer Casings and Inner Cables



Model WC-100 STAINLESS OUTER CASING with BOTH CAPS
Length: 170mm, 280mm



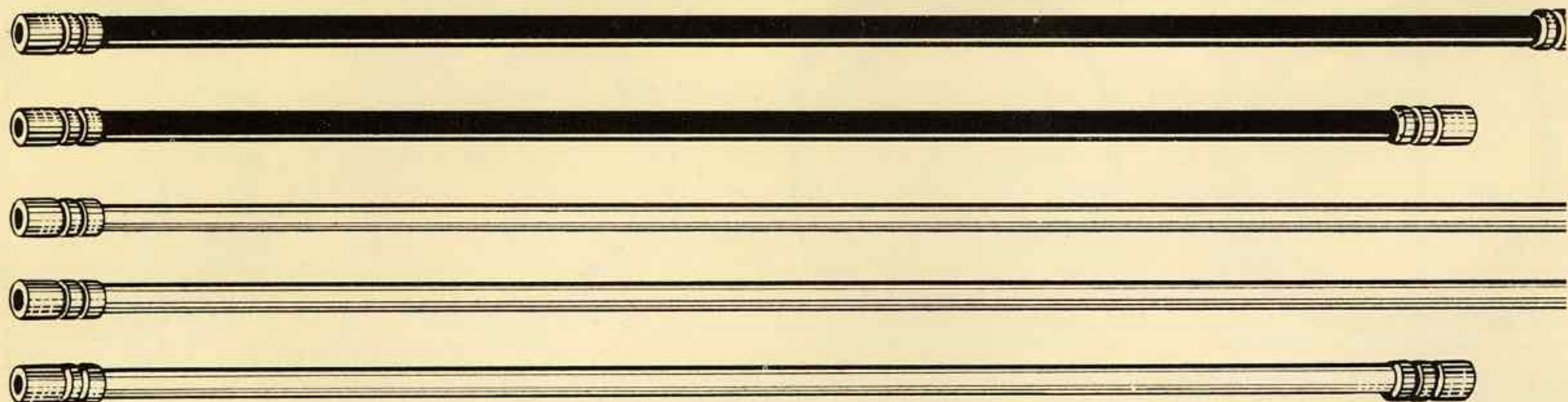
Model WC-110 STAINLESS OUTER CASING with ONE CAP
Length: 600mm, 630mm, 670mm



Model WJ-110 INNER CABLE (1.5mm ϕ)
Length: 1,180mm, 670mm



Model WL-100 COATED INNER CABLE (1.2mm ϕ)
Length: 1,800mm, 1,850mm, 1,900mm, 1,320mm, 1,360mm, 1,400mm



Model WB-100 OUTER CASING with BOTH CAPS
Length: 180mm, 250mm, 280mm, 360mm, 530mm, 1,030mm, 1,360mm, 1,550mm

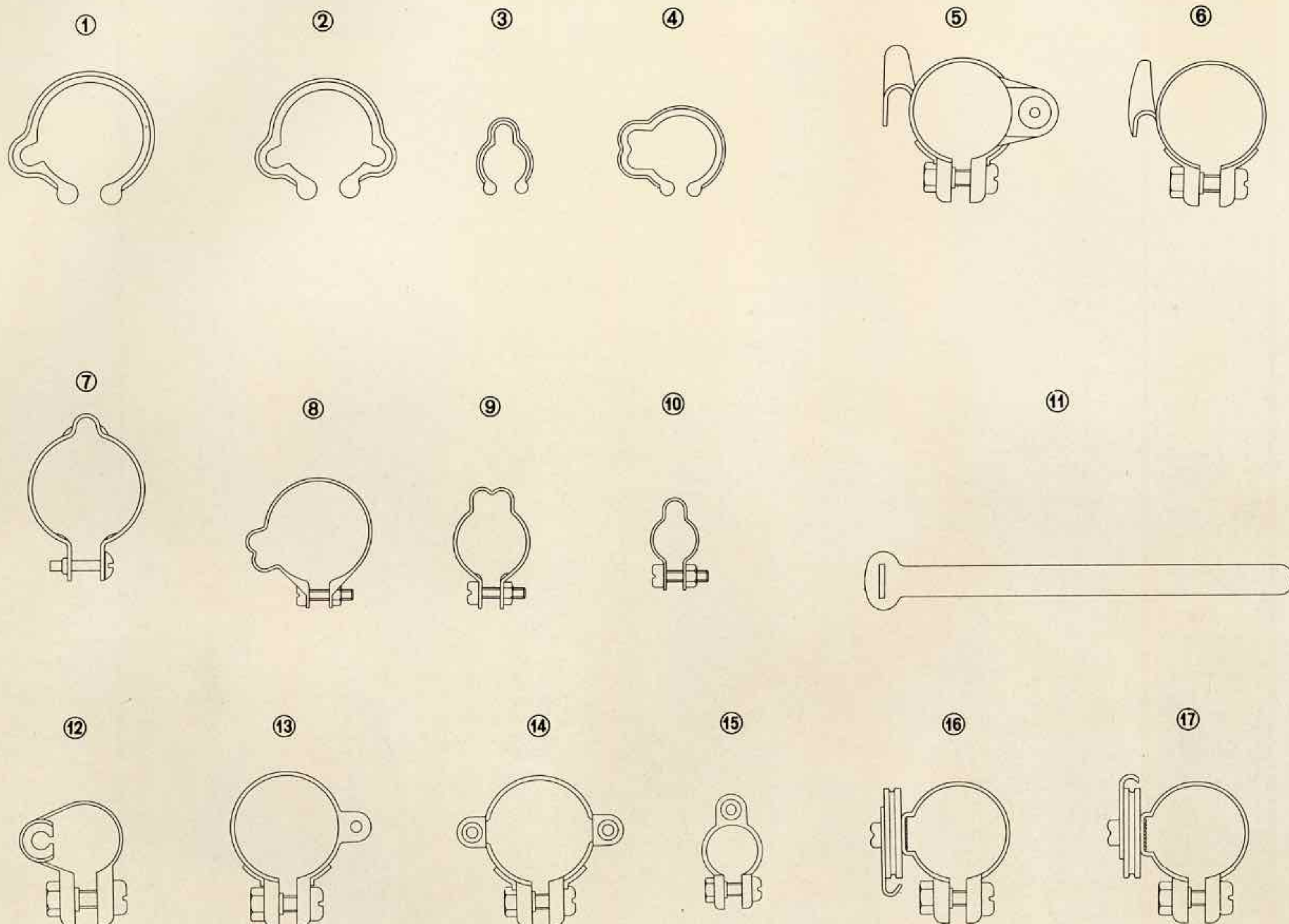


Model WK-100 INNER CABLE (1.5mm ϕ)
Length: 670mm, 750mm, 1,030mm, 1,180mm, 1,360mm, 1,550mm, 1,650mm



Model WJ-100 INNER CABLE (1.2mm ϕ)
Length: 670mm, 750mm, 1,030mm, 1,180mm, 1,360mm, 1,550mm, 1,650mm

SHIMANO Outer Band



ITEM No.	Part No.	Description	ITEM No.	Part No.	Description
①	62010700	Outer Clip 1-1/8" (28.6)	⑩	65191080	Outer Band 7/16" (11.1)
	62010500	Outer Clip 1" (25.4)	⑪	61105010	Outer Band 5.9" (150)
②	62010800	Outer Clip 1-1/8" (28.6)	⑫	61105000	Outer Band 4.52" (115)
	62010600	Outer Clip 1" (25.4)		61106000	Outer Band 3.14" (80)
③	62010400	Outer Clip 7/8" (22.2)	⑬	61190051	Stopper Band 1-1/8" (28.6)
	62010300	Outer Clip 3/4" (19.0)		61190061	Stopper Band 1" (25.4)
	62010200	Outer Clip 5/8" (15.9)		61190081	Stopper Band 7/8" (22.2)
	62010100	Outer Clip 1/2" (12.7)		61190101	Stopper Band 3/4" (19.0)
④	62011100	Outer Clip 1" (25.4)		61190111	Stopper Band 11/16" (17.5)
	62011000	Outer Clip 3/4" (19.0)		64390441	Stopper Band 5/8" (15.9)
⑤	62291101	Cable Guide 1-1/8" (28.6)		64390451	Stopper Band 1/2" (12.7)
⑥	62290101	Cable Guide 1-1/8" (28.6)	⑭	62291061	Outer Stopper 1-1/8" (28.6)
⑦	83190110	Outer Band 1" (25.4)	⑮	62291071	Outer Stopper 1-1/8" (28.6)
⑧	65191040	Outer Band 1-1/8" (28.6)		62291141	Outer Stopper 5/8" (15.9)
	65191030	Outer Band 1" (25.4)	⑯	61190011	Guide Roller 1-1/8" (28.6)
⑨	65191060	Outer Band 5/8" (15.9)	⑰	61190022	Guide Roller 1" (25.4)
⑩	65191070	Outer Band 1/2" (12.7)			

SHIMANO Special Tools



Model XB-310
Plier for Three Speed Hub snap ring removal.



Model XA-110
Spanner for DURA-ACE Hubs.



Model XB-300
Spanner for cone, lock nut adjustment of Three Speed Hub; Three Speed Hub with Coaster Brake; and Coaster Brake.



Model XB-210
Automatic 5-stage freewheel removal tool.



Model XA-100
DURA-ACE Multiple Freewheel Removal Tool.



Model XB-200
Boss type multi freewheel removal tool.



Model XB-320
Tool for removing ball cup for Three Speed Hub



Model XA-150 (5mm)
Model XB-100 (6mm) Hexagon wrench keys.



Model XA-130
Cotterless crank extractor



Model XA-120
DURA-ACE Grease



Model XA-140
Chainwheel screw peg spanner

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