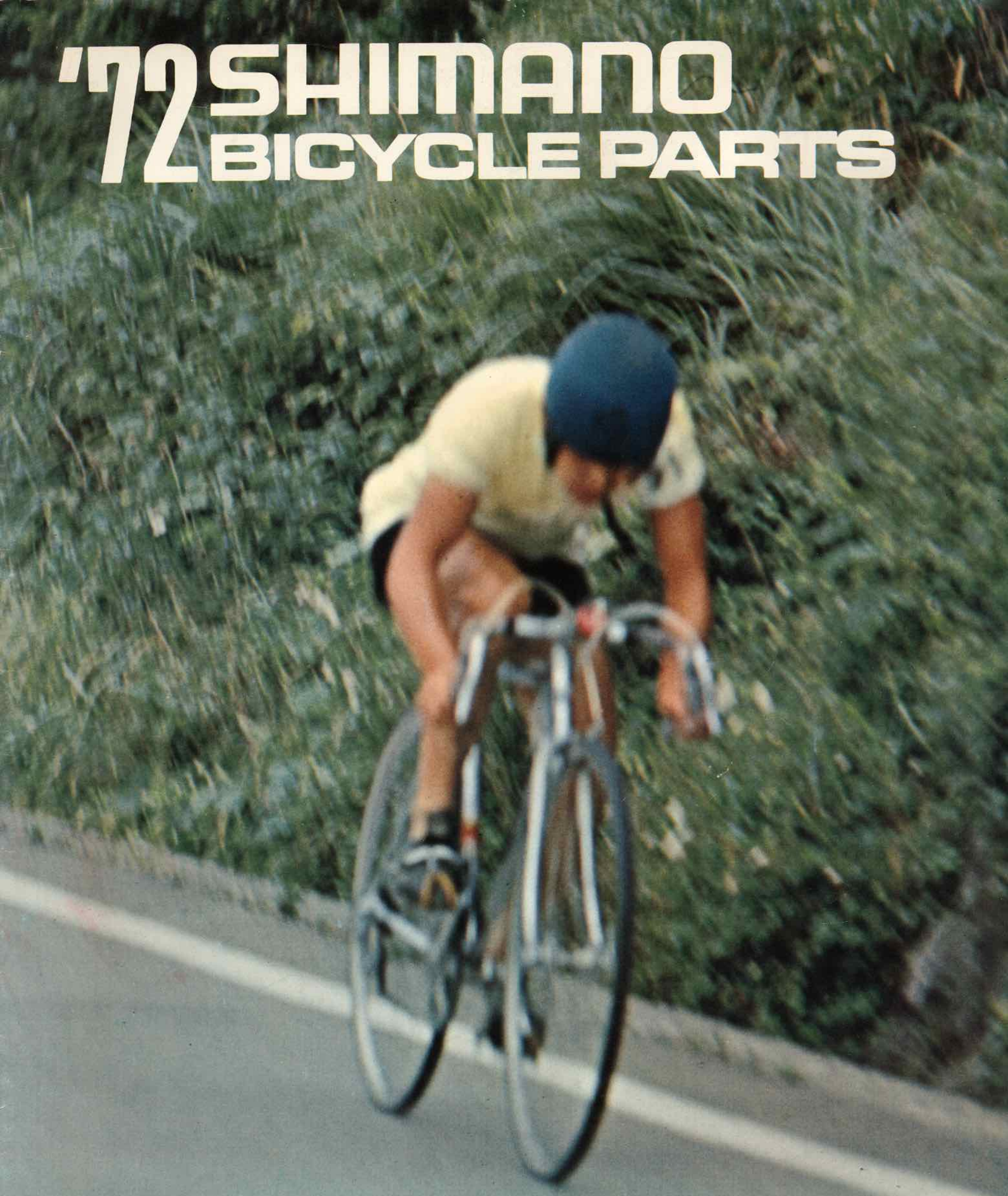
'72 SHIMANO BICYCLE PARTS



SHIMANO

Contents

Cables .....20 p

Outer Bands .....19 p

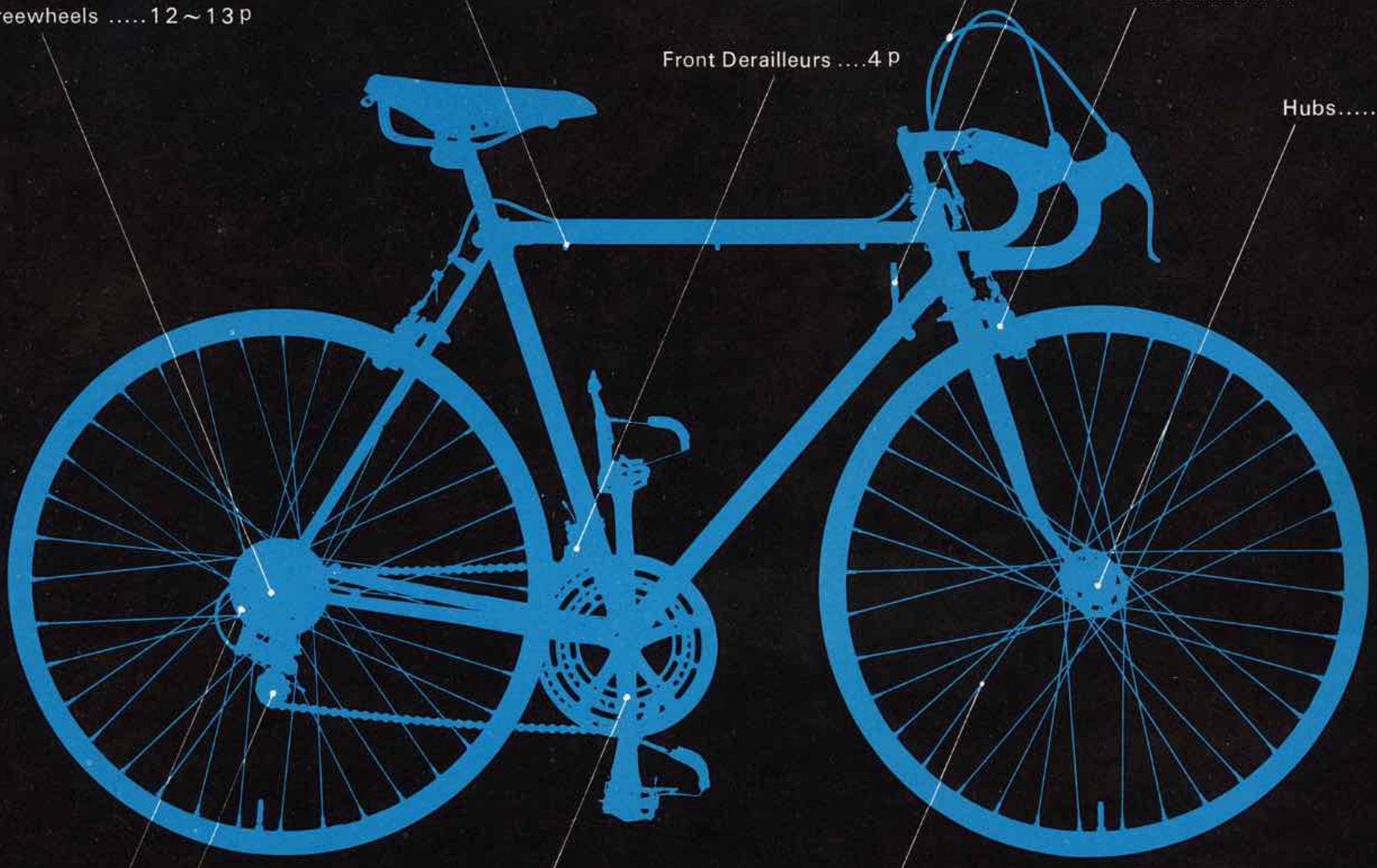
Levers .....5～9 p

Brakes.....17 p

Freewheels .....12～13 p

Front Derailleurs ....4 p

Hubs.....14～15 p



Rear Derailleurs .....2～3 p

Front Chain Wheel.....16 p

Spokes & Nipples..... 18 p

Special Tools .....18 p

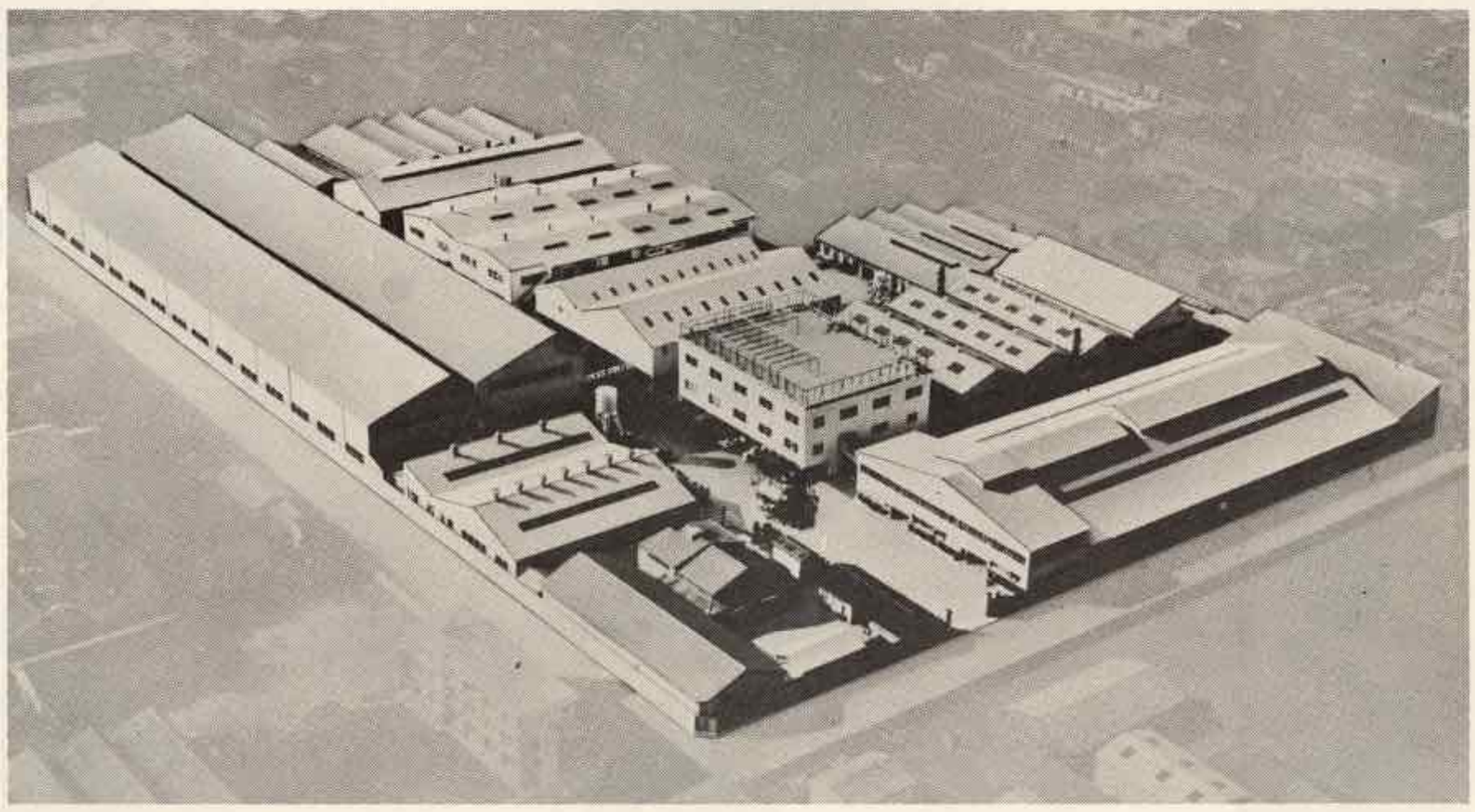
Spoke Protectors .....18 p

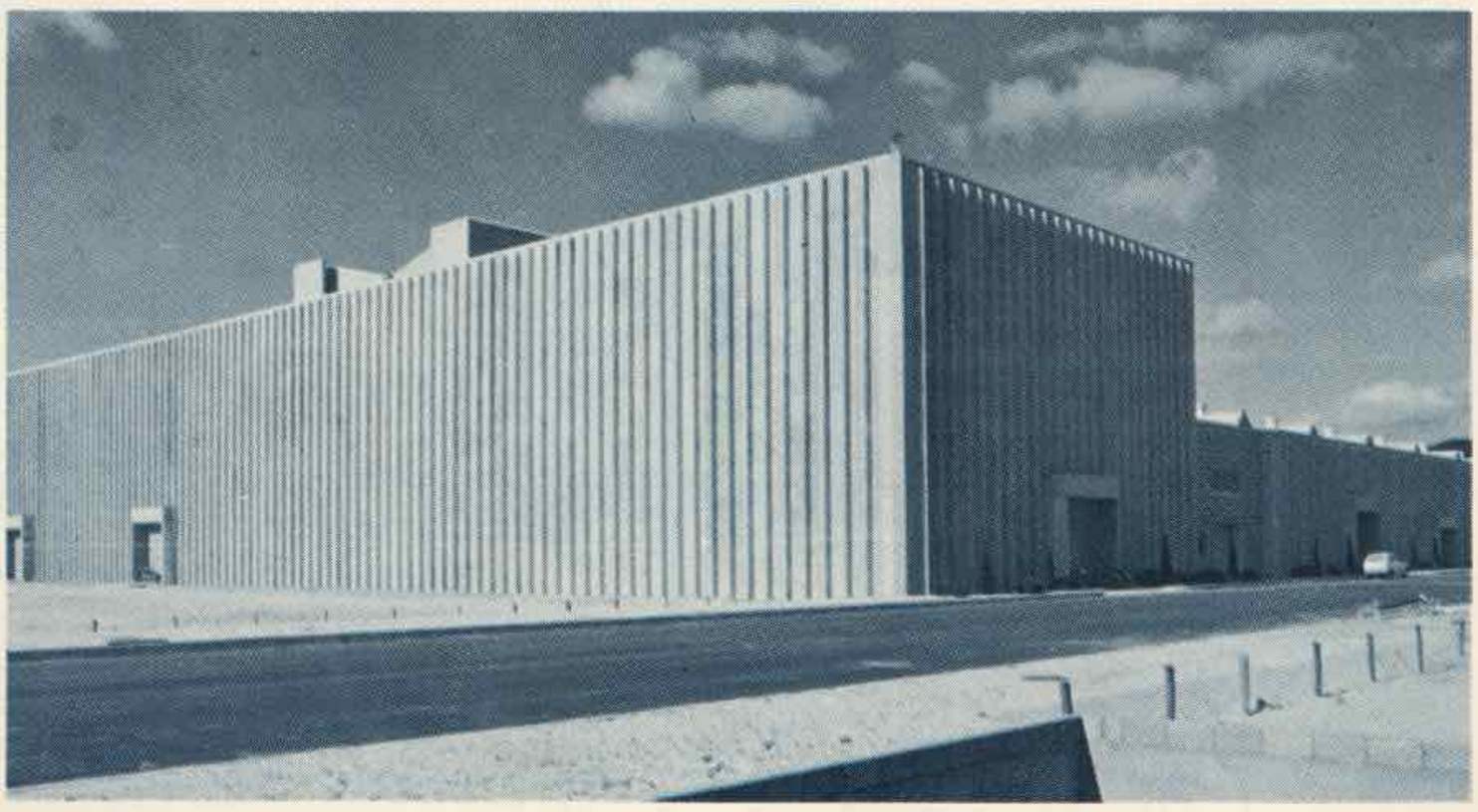
Guide of Shimano

Leading the World in Quality Bicycle Parts

For over half a century Shimano has devoted the major part of its efforts to the development and production of fine bicycle parts. The great success it has had is shown by the high demand for Shimano parts all over the world, under the famous "3.3.3." brand. We have made many innovations for safety and ease of use especially in multispeed hubs and derailleurs. These are exported all over the world, with the major portion going to the U.S., and have gained a fine reputation. Naturally, these products are best-sellers in Japan too. The full range includes almost every part conceivable for use with bicycles. All of them are made with the very highest level of quality in materials, technology, and manufacturing processes.

With its long experience and expert staff, Shimano has now extended its activities to include the manufacture of cold forged articles, machine tools, fishing equipment and others. The same high standards apply to all products of this creative organization.

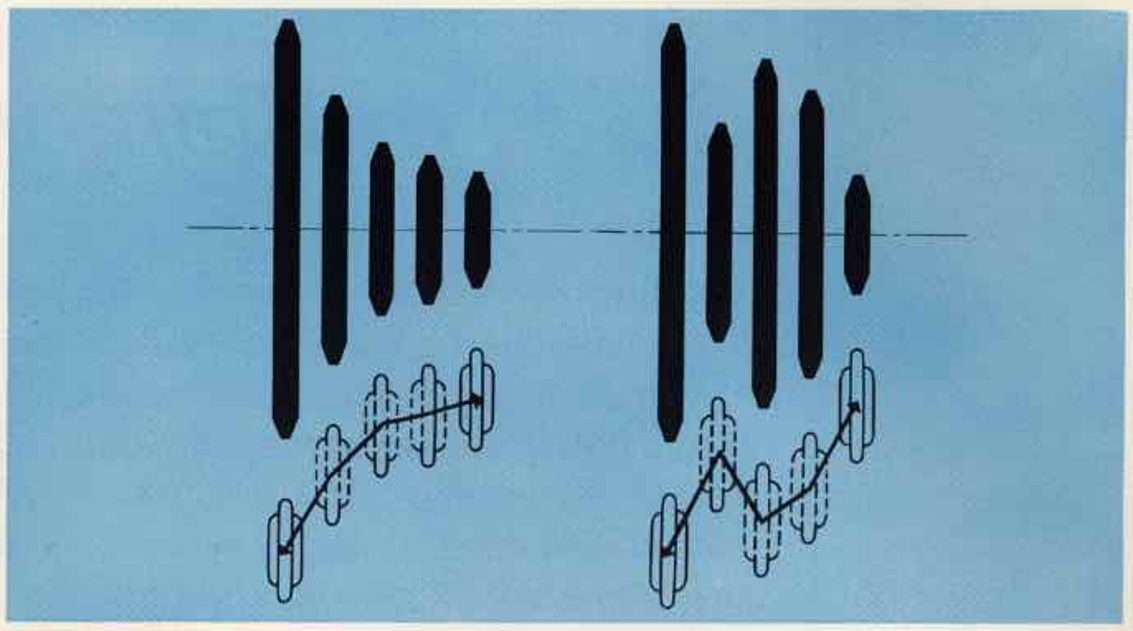




Rear Derailleur

Servo Panta Mechanism

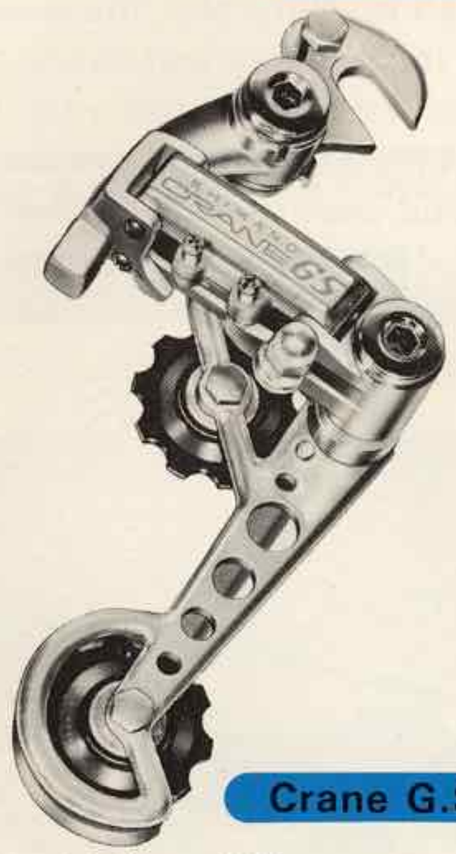
With the servo pantograph system, no matter how the teeth are assembled, or even if the front double gear is used, the distance between the sprocket teeth and the guide pulley is always practically the same. The special double oscillation movement of the guide pulley leads the chain, so lever operation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





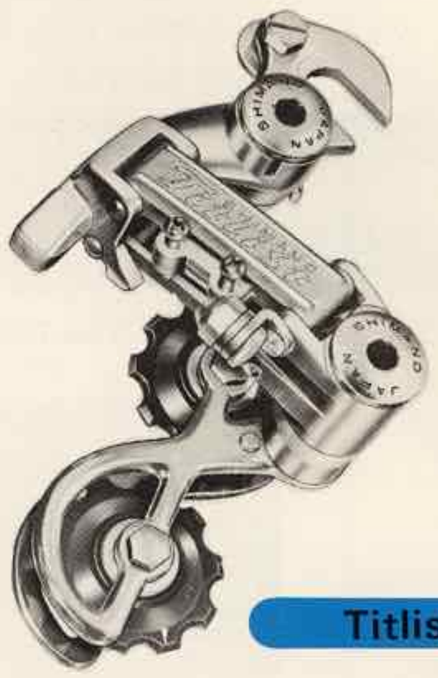
Crane

Model No.: D500
Capacity: 28 teeth
Weight: 9.0 oz (255g)
Material: Light Alloy
Without Adaptor: (Model No. D501)



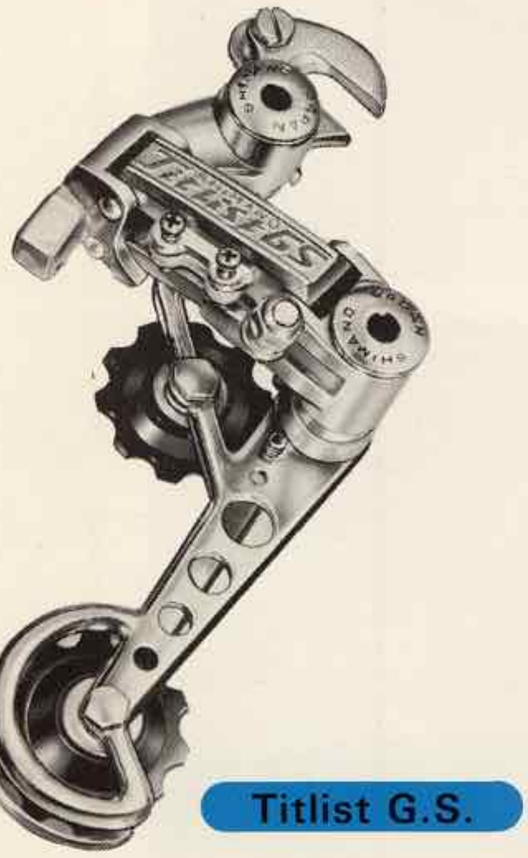
Crane G.S.

Model No.: D510
Capacity: 34 teeth
Weight: 9.5 oz (270g)
Material: Light Alloy
Without Adaptor: (Model No. D511)



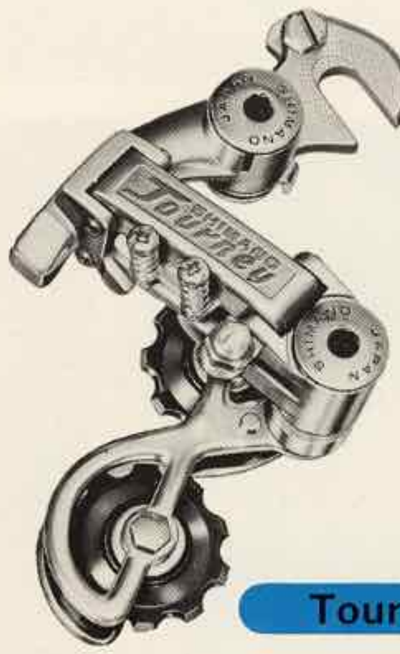
Titlist

Model No.: D600
Capacity: 28 teeth
Weight: 9.9 oz (280g)
Material:
Light Alloy but Cage is Steel.
Without Adaptor: (Model No. D601)



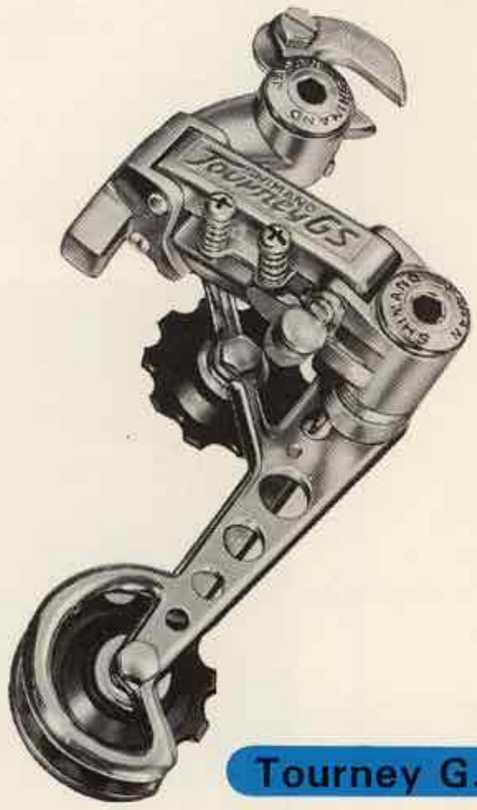
Titlist G.S.

Model No.: D610
Capacity: 34 teeth
Weight: 10.9 oz (310g)
Material:
Light Alloy but Cage is Steel.
Without Adaptor: (Model No. D611)



Tourney

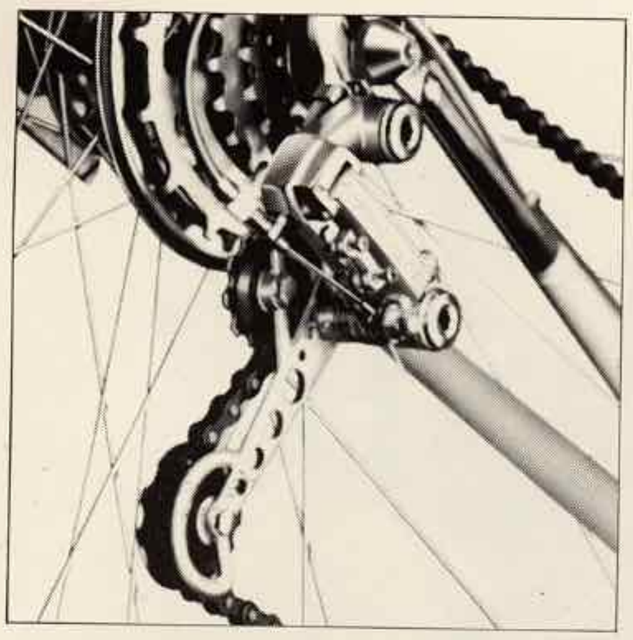
Model No.: D700
Capacity: 28 teeth
Weight: 10.6 oz (300g)
Material:
The Adaptor Member and Cage Plate Member are Light Alloy, but all Others are Steel.
Without Adaptor: Model No. D701



Tourney G.S.

Model No.: D710
Capacity: 34 teeth
Weight: 11.6 oz (330g)
Material:
The Adaptor Member and Cage Plate Member are of Light Alloy, but all Others are Steel.
Without Adaptor: Model No. D711

Derailleurs





Eagle S.S.

Model No.: D310
Capacity: 34 teeth
Weight: 13.4 oz (380g)
Material: Steel
With Cable Saver and Derailleur Guard



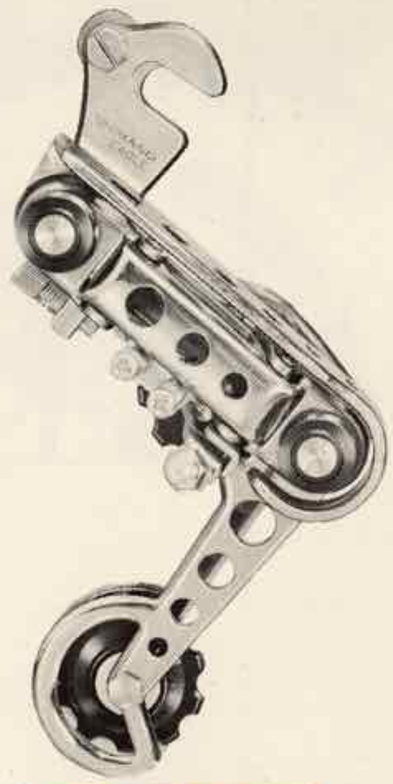
Eagle G.S.

Model No.: D330
Capacity: 38 teeth
Weight: 14.1 oz (400g)
Material: Steel
With Cable Saver and Derailleur Guard



Eagle S.T.O.

Model No.: D320
Capacity: 34 teeth
Weight: 13.1 oz (370g)
Material: Steel
With Cable Saver and Derailleur Guard.



Eagle G.T.O.

Model No.: D340
Capacity: 38 teeth
Weight: 14.1 oz (400g)
Material: Steel
With Cable Saver and Derailleur Guard.



Lark S.S.

Model No.: D210
Capacity: 34 teeth
Weight: 11.3 oz (320g)
Material: Steel
With Cable Saver.



Lark S.T.O.

Model No.: D220
Capacity: 34 teeth
Weight: 10.9 oz (310g)
Material: Steel
With Cable Saver.



Lark-W

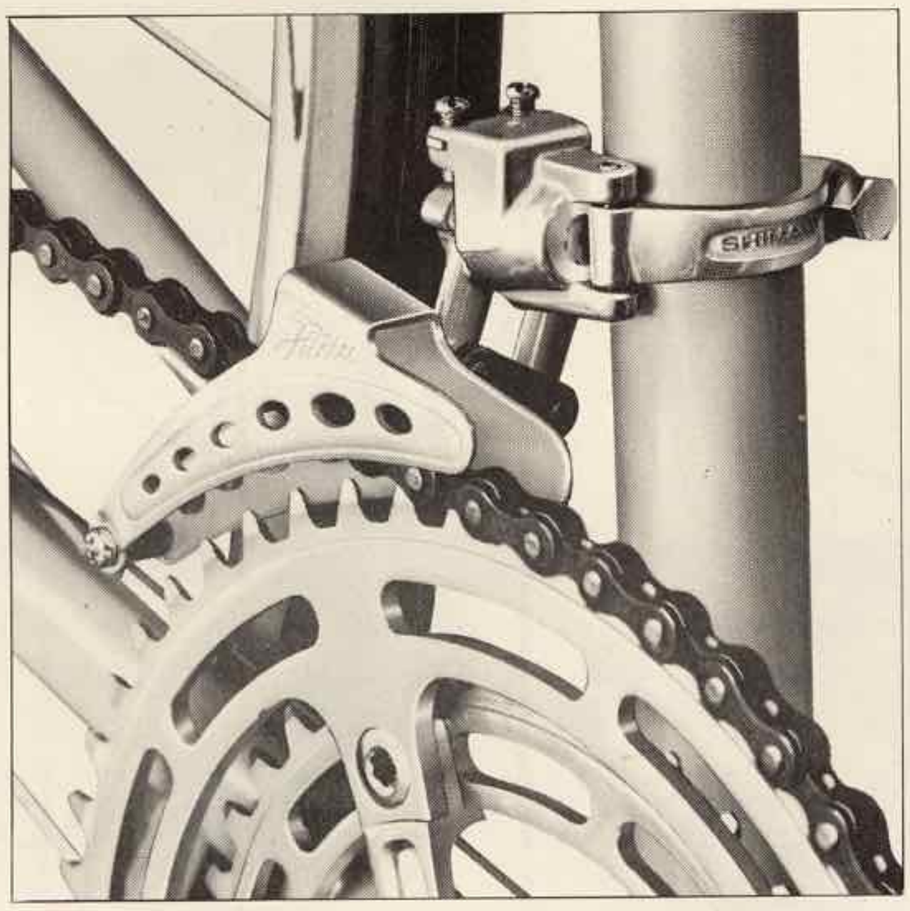
Model No.: D280
Capacity: 34 teeth
Weight: 12.7 oz (360g)
Material: Steel
With Special Twist Grip Control Lever

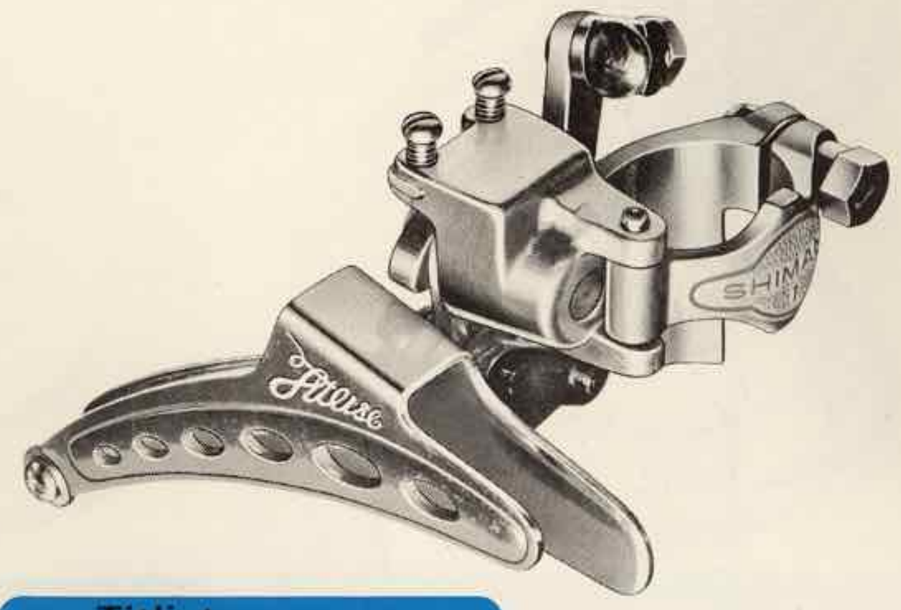


Sky Lark (C.P)

Model No.: D160
Capacity: 34 teeth
Weight: 11.3 oz (320g)
Material: Steel

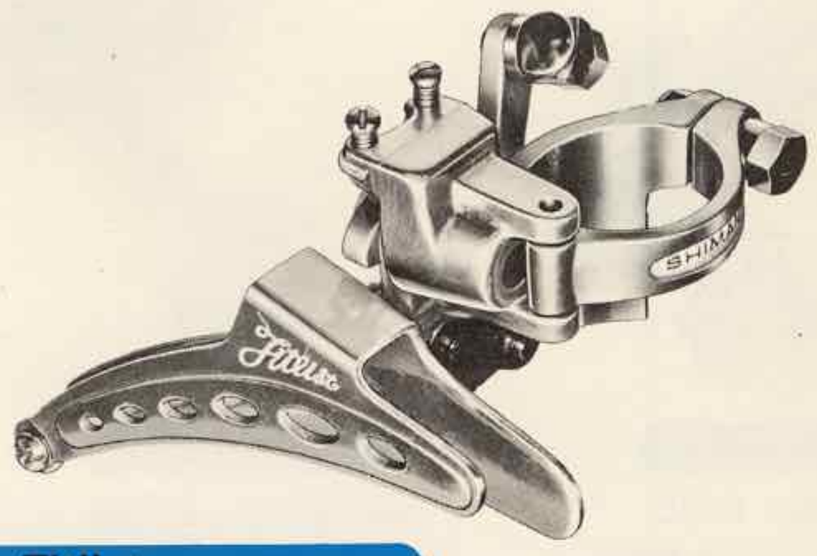
Front Derailleur





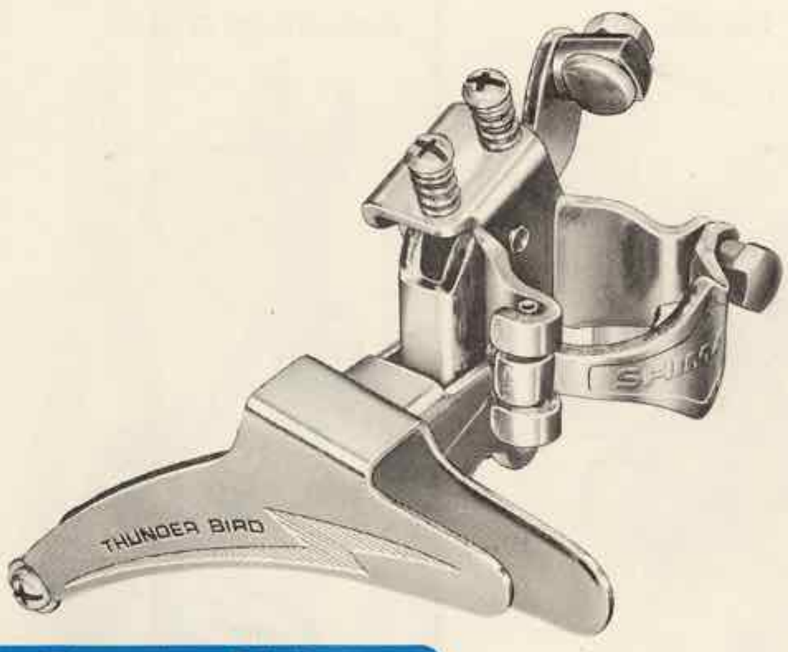
Titlist

Type: Lower Inlet Type 1″ (Model No. E302)
Weight: 4.9 oz (140g)
Material: Light Alloy but Chain Guide is Steel.



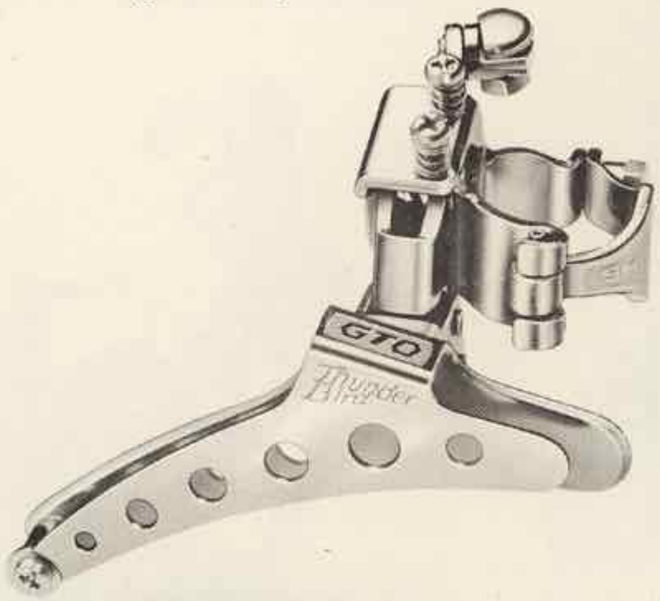
Titlist

Type: Lower Inlet Type 1-1/8″ (Model No. E304)
Weight: 4.9 oz (140g)
Material: Light Alloy but Chain Guide is Steel.



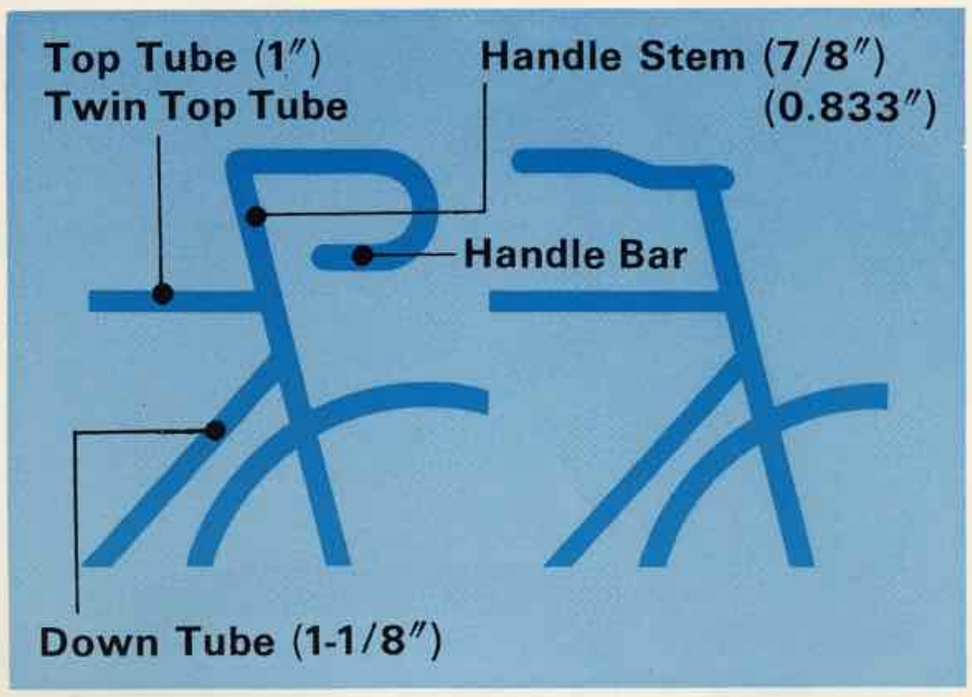
Thunder Bird

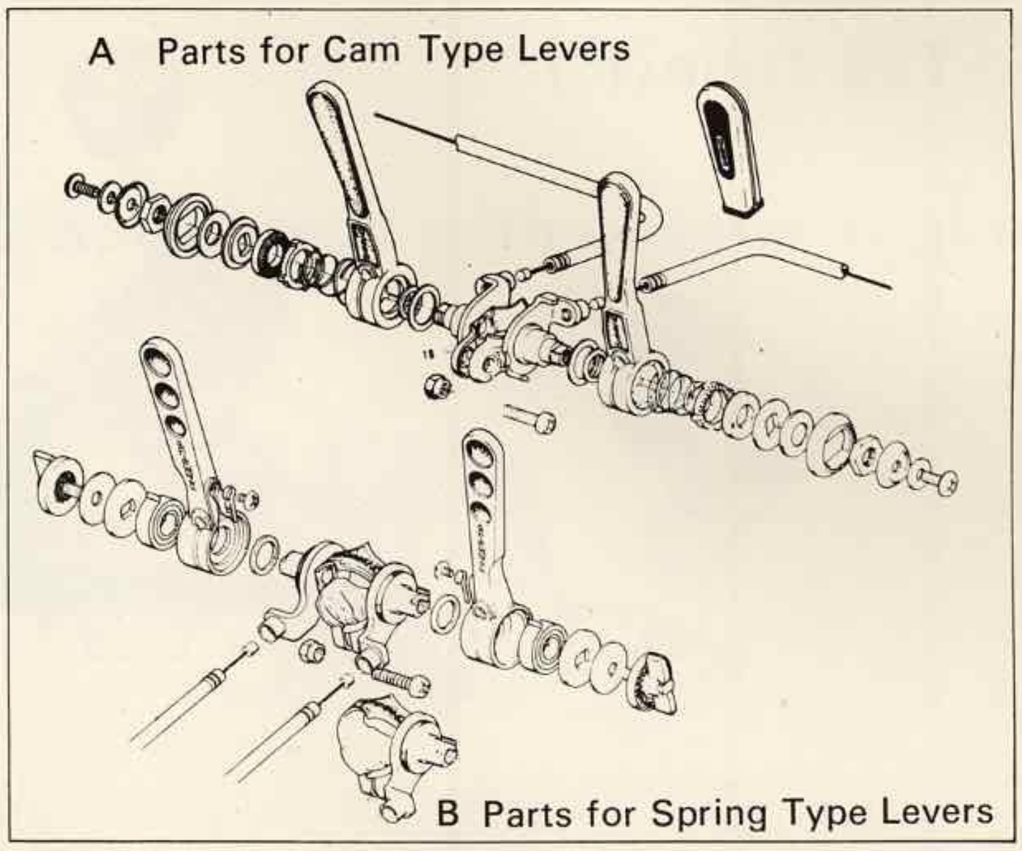
Type: Upper Inlet Type 1″ (Model No. E101)
Upper Inlet Type 1-1/8″ (Model No. E103)
Lower Inlet Type 1″ (Model No. E102)
Lower Inlet Type 1-1/8″ (Model No. E104)
Weight: 6.7 oz (190g)
Material: Steel



Thunder Bird G.T.O.

Type: Upper Inlet Type 1″ (Model No. E111)
Upper Inlet Type 1-1/8″ (Model No. E113)
Lower Inlet Type 1″ (Model No. E112)
Lower Inlet Type 1-1/8″ (Model No. E114)
Weight: 6.5 oz (185g)
Material: Steel





For Derailleur

Top Tube(1″)



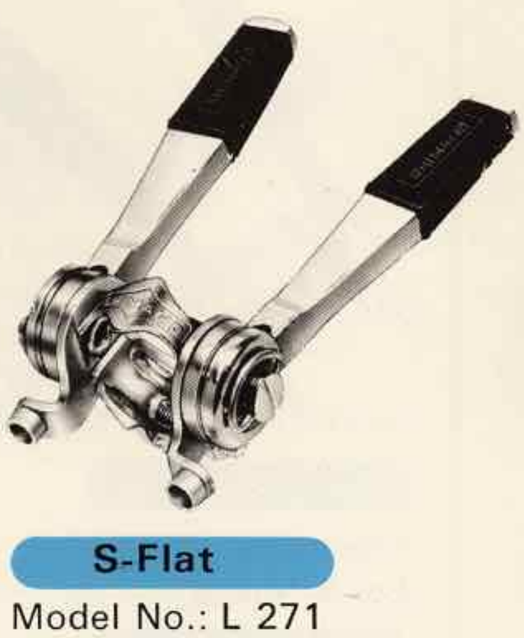
S-Alumi
Model No.: L 221
For 5-Speed

W-Alumi
Model No.: L 222
For 10-Speed



S-Long
Model No.: L 241
For 5-Speed

W-Long
Model No.: L 242
For 10-Speed



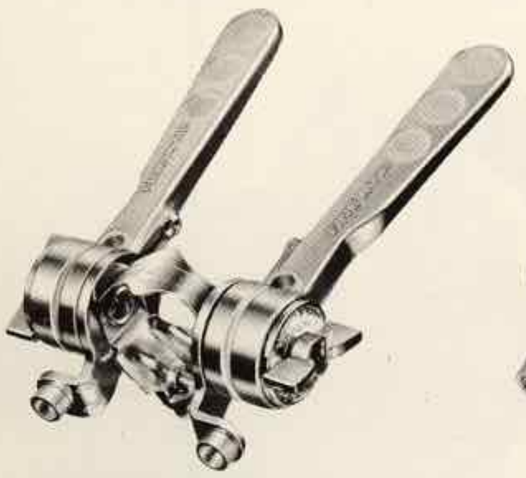
S-Flat
Model No.: L 271
For 5-Speed

W-Flat
Model No.: L 272
For 10-Speed



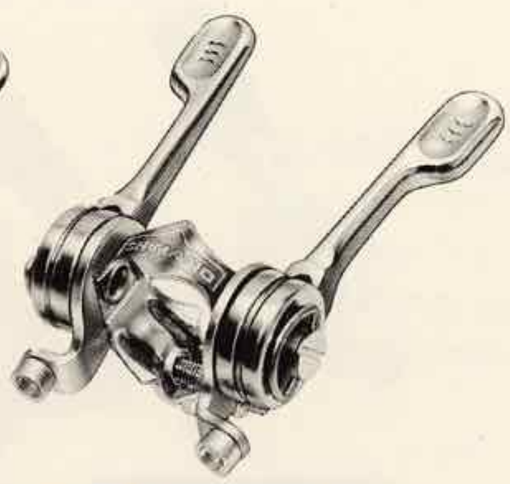
S-Super Shifter
Model No.: L 251
For 5-Speed

W-Super Shifter
Model No.: L 252
For 10-Speed



S-Finger Tip
Model No.: L 261
For 5-Speed

W-Finger Tip
Model No.: L 262
For 10-Speed



S-Lever
Model No.: L 211
For 5-Speed

W-Lever
Model No.: L 212
For 10-Speed



S-Short Lever
Model No.: L 231
For 5-Speed

W-Short Lever
Model No.: L 232
For 10-Speed



Click Stick
Model No.: L 313
For 5-Speed

Top Tube (1″)



Semi-Console
Model No.: L 323
For 5-Speed



G.S Console (5D)
Model No.: L 411
For 5-Speed

Down Tube (1-1/8″)



S-Alumi
Model No.: L 223
For 5-Speed

W-Alumi
Model No.: L 224
For 10-Speed



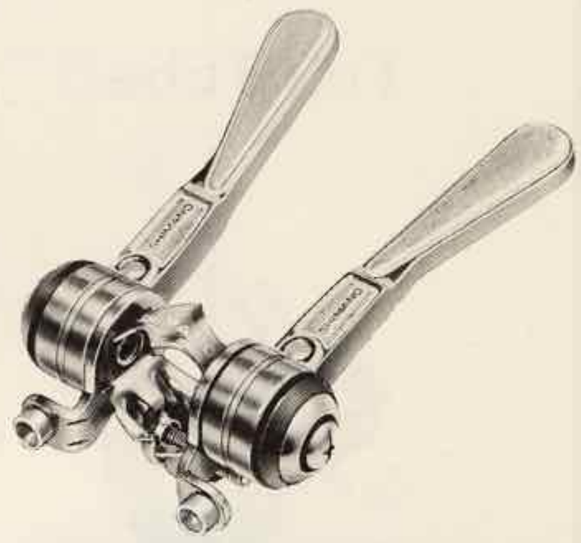
S-Long
Model No.: L 243
For 5-Speed

W-Long
Model No.: L 244
For 10-Speed



S-Flat
Model No.: L 273
For 5-Speed

W-Flat
Model No.: L 274
For 10-Speed



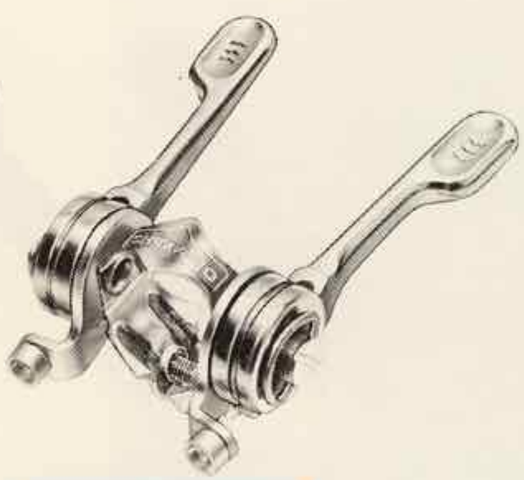
S-Super Shifter
Model No.: L 253
For 5-Speed

W-Super Shifter
Model No.: L 254
For 10-Speed



S-Finger Tip
Model No.: L 263
For 5-Speed

W-Finger Tip
Model No.: L 264
For 10-Speed



S-Lever
Model No.: L 213
For 5-Speed

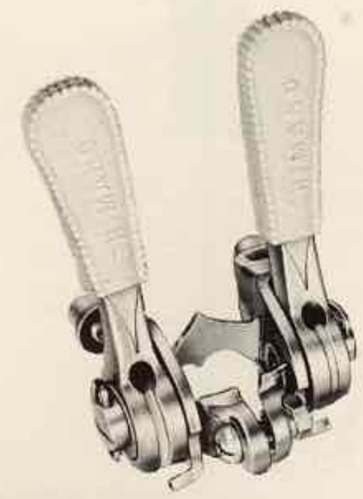
W-Lever
Model No.: L 214
For 10-Speed



S-Short Lever
Model No.: L 233
For 5-Speed

W-Short Lever
Model No.: L 234
For 10-Speed

Handle Stem (7/8″)



S-Alumi

Model No.: L 225
For 5-Speed

W-Alumi

Model No.: L 226
For 10-Speed

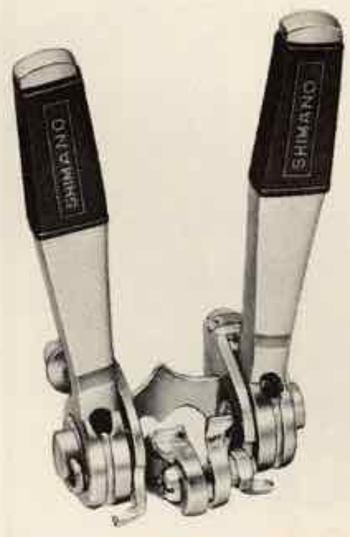


S-Long

Model No.: L 245
For 5-Speed

W-Long

Model No.: L 246
For 10-Speed



S-Flat

Model No.: L 275
For 5-Speed

W-Flat

Model No.: L 276
For 10-Speed



S-Round Stem

Model No.: L 905
For 5-Speed

W-Round Stem

Model No.: L 906
For 10-Speed

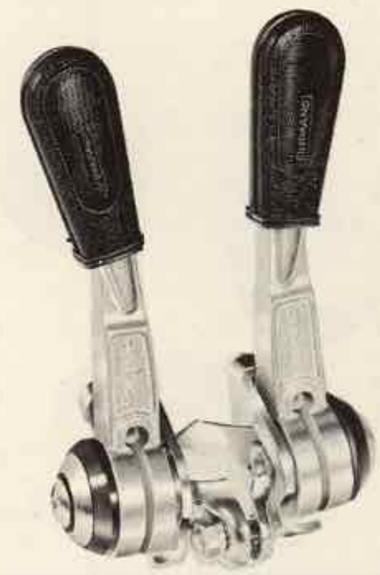


S-Short Stem (DX)

Model No.: L 535
For 5-Speed

W-Short Stem (DX)

Model No.: L 536
For 10-Speed



S-Super Shifter

Model No.: L 255
For 5-Speed

W-Super Shifter

Model No.: L 256
For 10-Speed

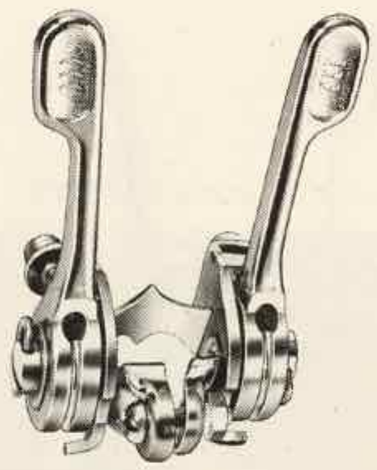


S-Finger Tip

Model No.: L 265
For 5-Speed

W-Finger Tip

Model No.: L 266
For 10-Speed

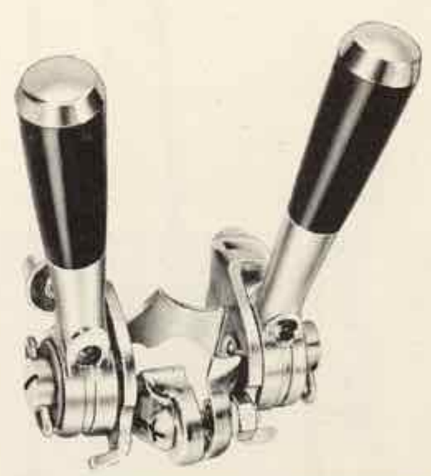


S-Lever

Model No.: L 215
For 5-Speed

W-Lever

Model No.: L 216
For 10-Speed



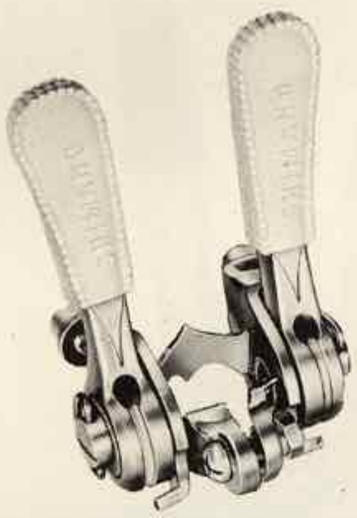
S-Short Lever

Model No.: L 235
For 5-Speed

W-Short Lever

Model No.: L 236
For 10-Speed

Handle Stem (0.833″)



S-Alumi

Model No.: L 227
For 5-Speed

W-Alumi

Model No.: L 228
For 10-Speed



S-Long

Model No.: L 247
For 5-Speed

W-Long

Model No.: L 248
For 10-Speed



S-Flat

Model No.: L 277
For 5-Speed

W-Flat

Model No.: L 278
For 10-Speed

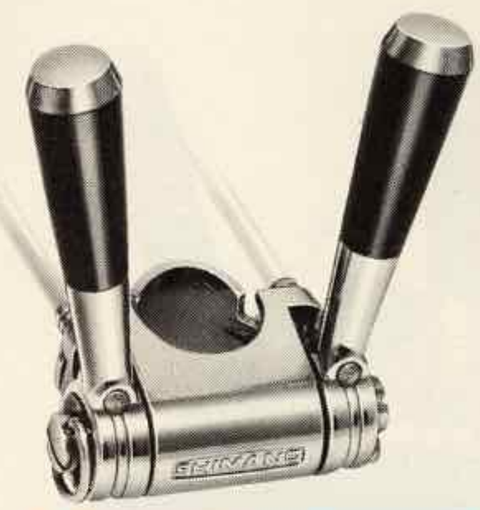


S-Round Stem

Model No.: L 907
For 5-Speed

W-Round Stem

Model No.: L 908
For 10-Speed



S-Short Stem (DX)

Model No.: L 537
For 5-Speed

W-Short Stem (DX)

Model No.: L 538
For 10-Speed



S-Super Shifter

Model No.: L 257
For 5-Speed

W-Super Shifter

Model No.: L 258
For 10-Speed

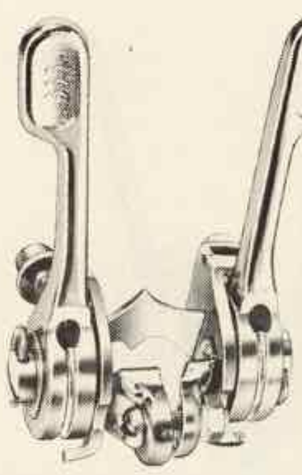


S-Finger Tip

Model No.: L 267
For 5-Speed

W-Finger Tip

Model No.: L 268
For 10-Speed

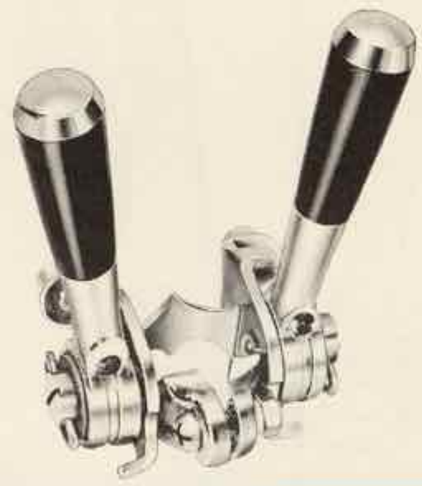


S-Lever

Model No.: L 217
For 5-Speed

W-Lever

Model No.: L 218
For 10-Speed



S-Short Lever

Model No.: L 237
For 5-Speed

W-Short Lever

Model No.: L 238
For 10-Speed

Handle Bar



W-Grip Control Lever

Model No.: L 120
For Lark-W only



Bar-End Control

Model No.: L 600
For 10-Speed

Twin Top Tube



G.T. Console (5D)

Model No.: L 422
For 5-Speed

For 3-Speed Hub

Top Tube (1″)



Semi-Console

Model No.: L 373



Click-Stick

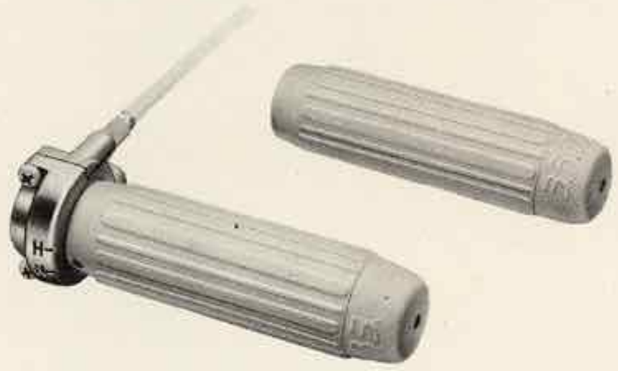
Model No.: L 363



G.S. Console (3S)

Model No.: L 461

Handle Bar



Twist Grip Control Lever

Model No.: L 110



Trigger Lever

Model No.: L 150

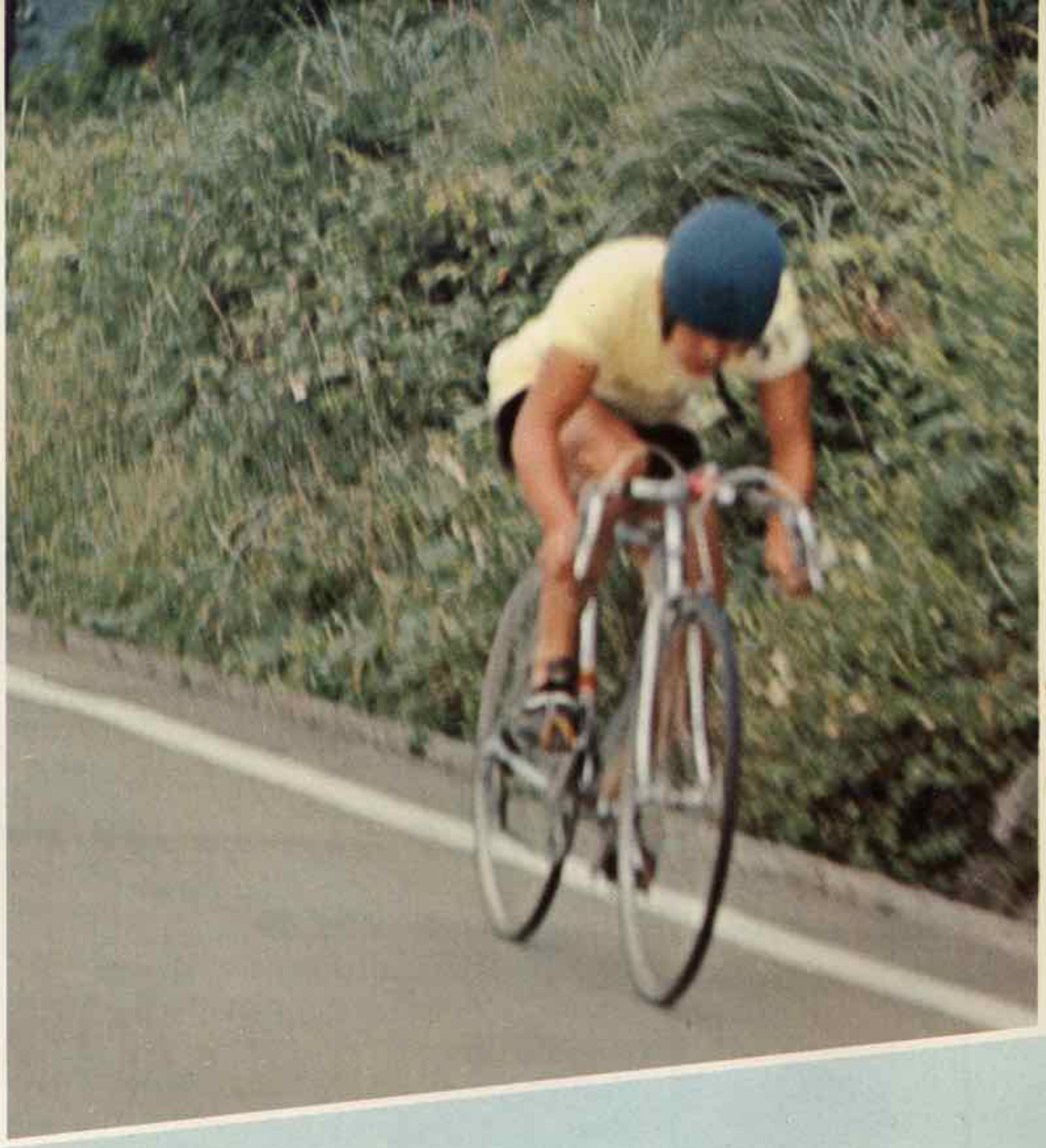
Twin Top Tube



G.T. Console (3S)

Model No.: L 472

Reflecting the current demand for healthful relaxation, the "Bikecology Movement" has taken hold in America and has gained international popularity. More and more people are responding to the relaxing sounds and peaceful call of nature.
To meet this ever growing demand Shimano provides a wide assortment of quality bicycle parts. Tested and perfected in professional bicycle races throughout the country, Shimano products are built to last even under the most strenuous conditions. So those Bikecologists, who demand only the best in cycling performance, turn to Shimano for carefree transportation and healthful relaxation.







Single Freewheel

(From 16 to 24 teeth)

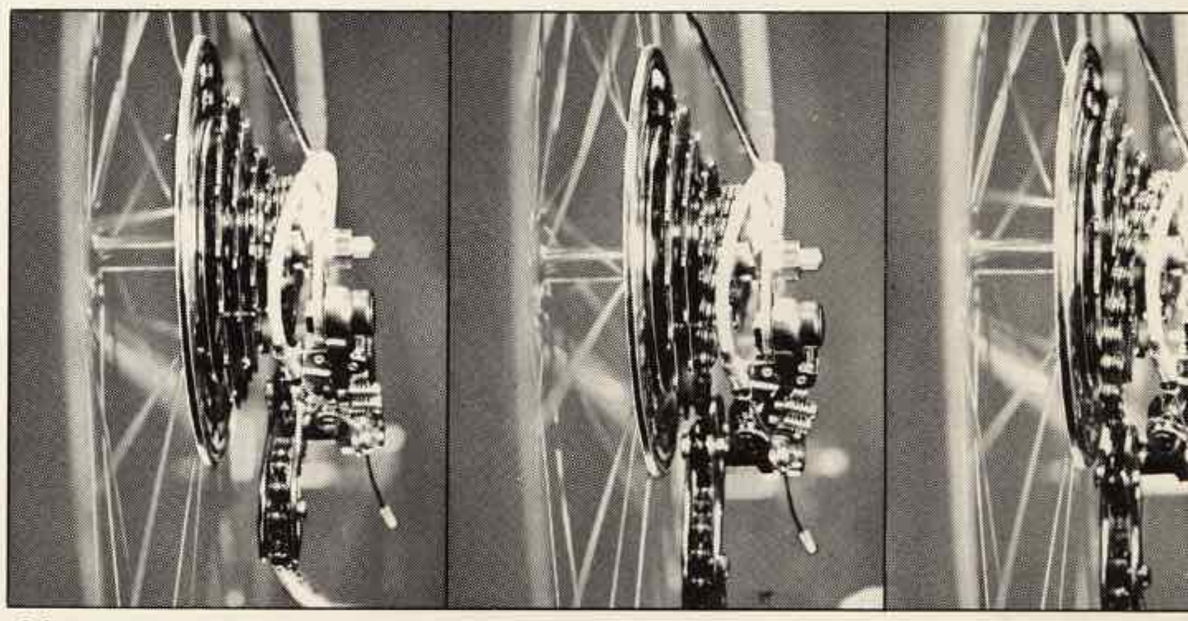


Model No.	Types
F 916	1/2″×1/8″×16 teeth
F 918	1/2″×1/8″×18 teeth
F 919	1/2″×1/8″×19 teeth
F 920	1/2″×1/8″×20 teeth
F 921	1/2″×1/8″×21 teeth
F 922	1/2″×1/8″×22 teeth
F 924	1/2″×1/8″×24 teeth

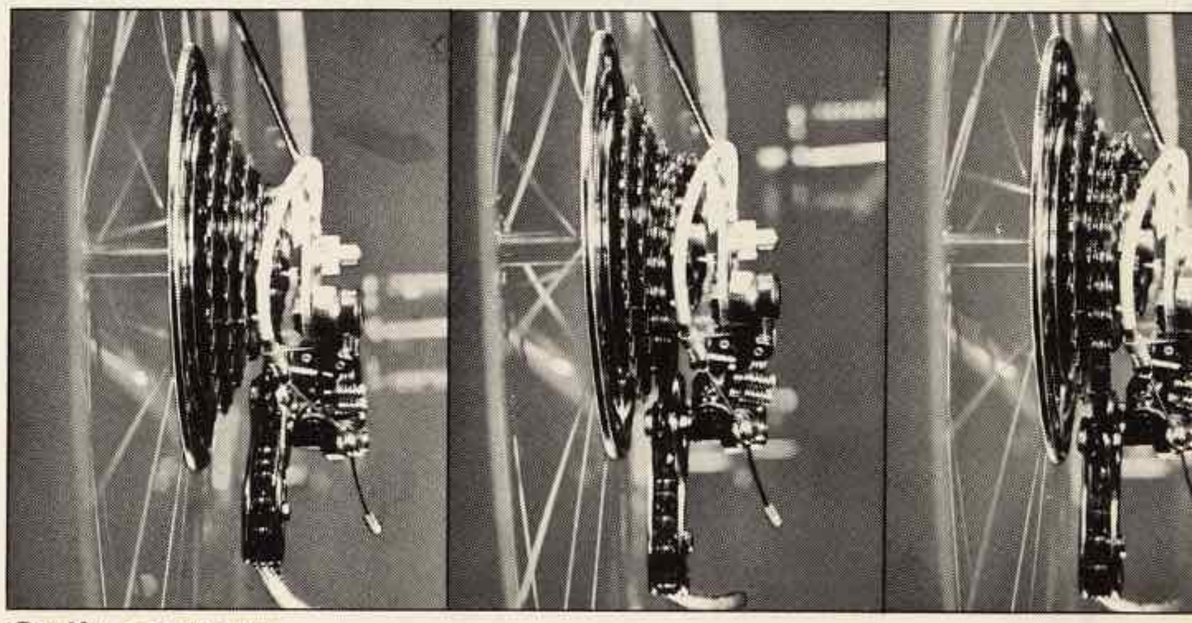
Multiple Freewheel



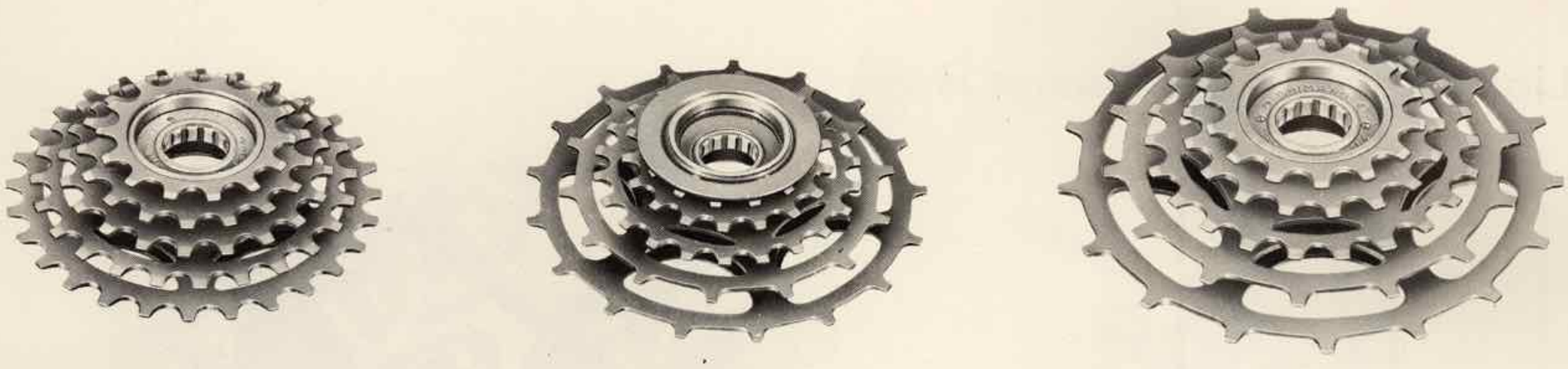
A new wide range of freewheels has just been introduced by Shimano. This rear gear cluster has a broad range of gears, starting with 14, and going on up to 17—22—28 and 34 teeth gears, for example. They are available in Regular Type, with Top Protector, with Seal, and Alternate Type. They can easily be removed from the hub with a special tool. The Spline system makes it possible to change the tooth numbers. Every other tooth in the two ultra-low (big) gears are missing. This makes it easier to shift up into these low gears because the chain does not ''hang up''.



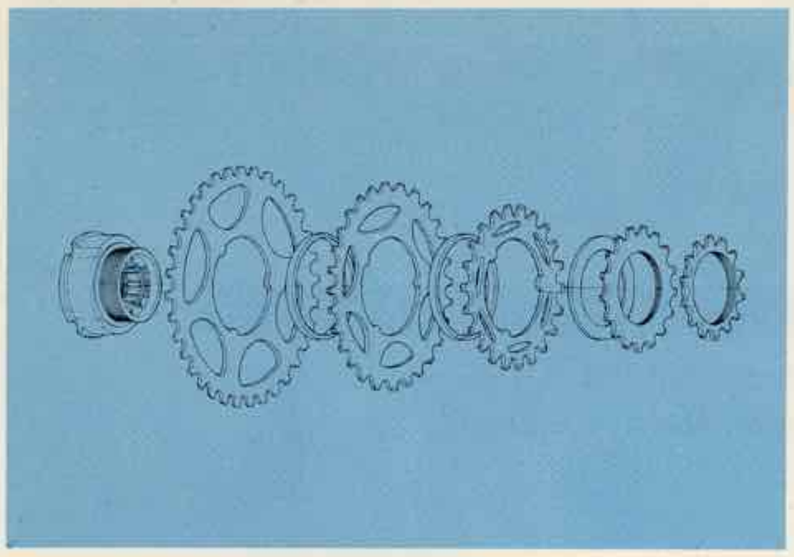
Alternate type



Ordinary type



Exploded view

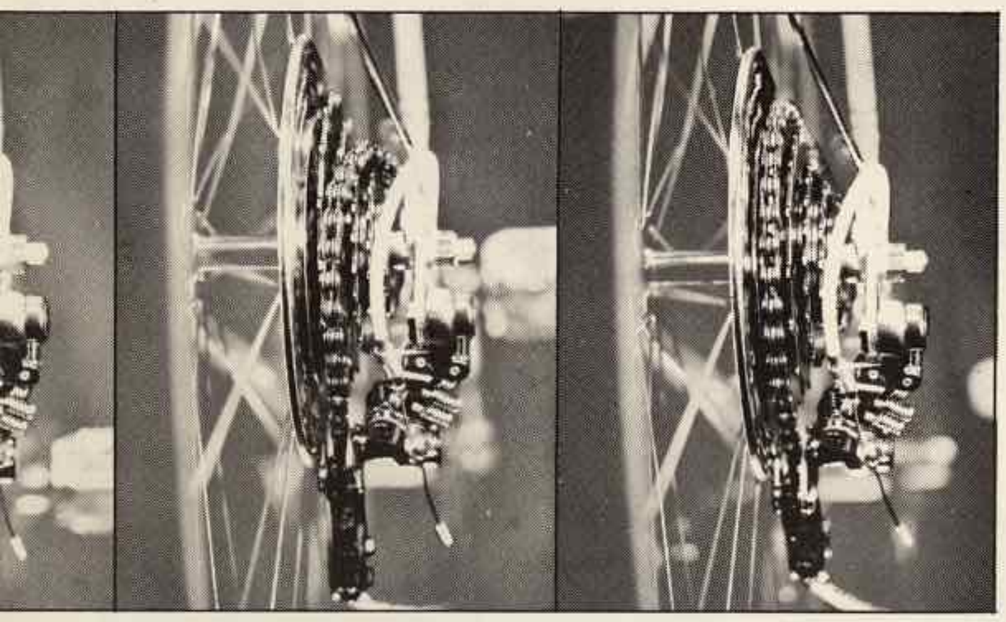


5-Speed Multiple Freewheel

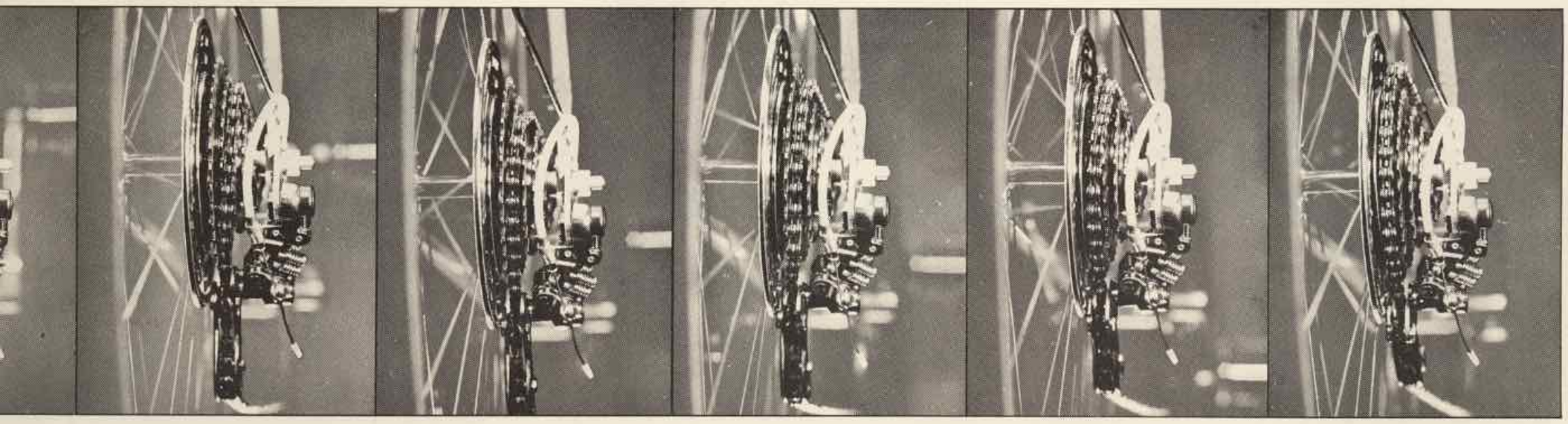
Model No.	Types
F 200	1/2″×3/32″ 15, 17, 19, 21, 24 teeth
F 300	1/2″×3/32″ 14, 17, 20, 24, 28 teeth
F 400	1/2″×3/32″ 14, 17, 22, 27, 32 teeth
F 410	1/2″×3/32″ 14, 17, 21, 26A 32A teeth
F 412 *	1/2″×3/32″ 14, 17, 21, 26A 32A teeth
F 500	1/2″×3/32″ 14, 17, 22, 28, 34 teeth
F 510	1/2″×3/32″ 14, 17, 22, 28A 34A teeth
F 512 *	1/2″×3/32″ 14, 17, 22, 28A 34A teeth

*: With Seal and Top Protector A: Alternate Gear

Due to lack of space, the above specifications represent samples only.

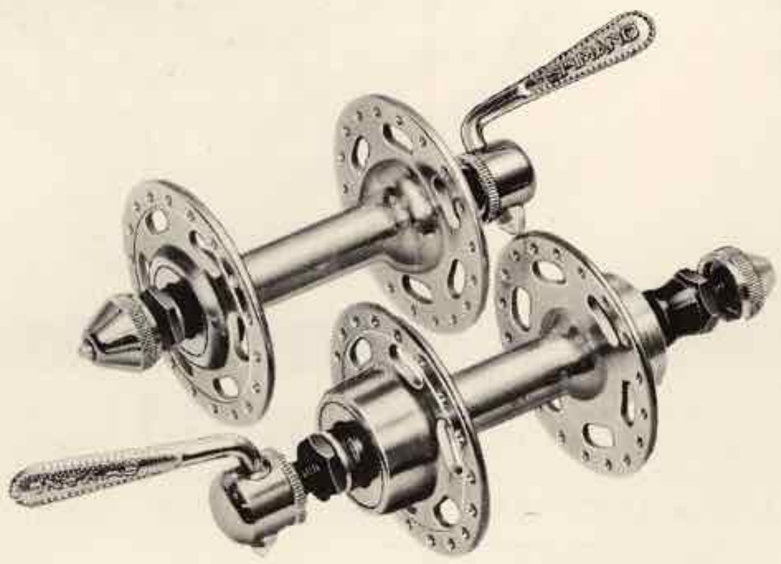


Performance comparisons of Alternate and Other Freewheel Types.



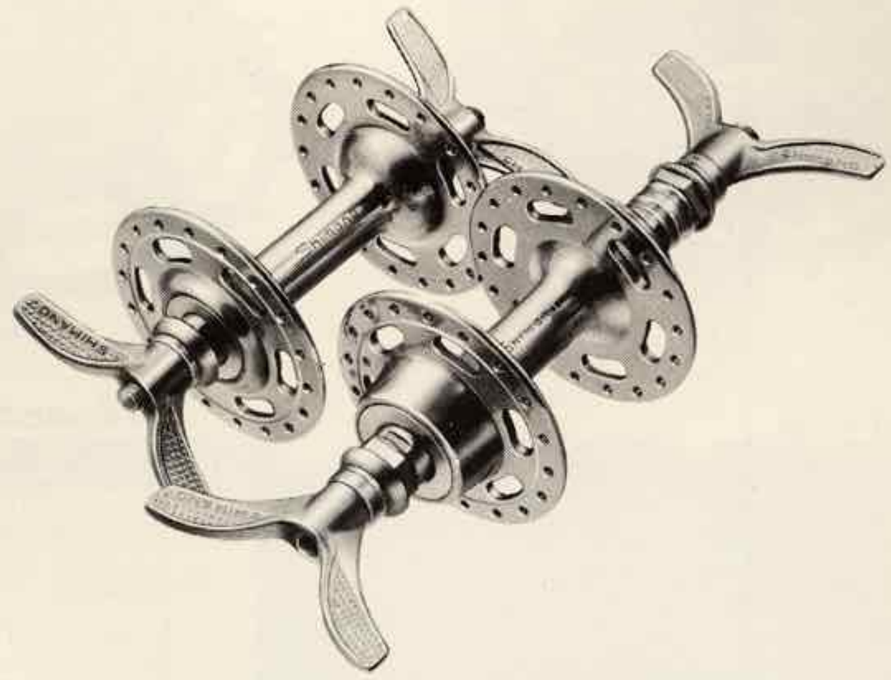
Hubs

Light Alloy Large Flange Hub



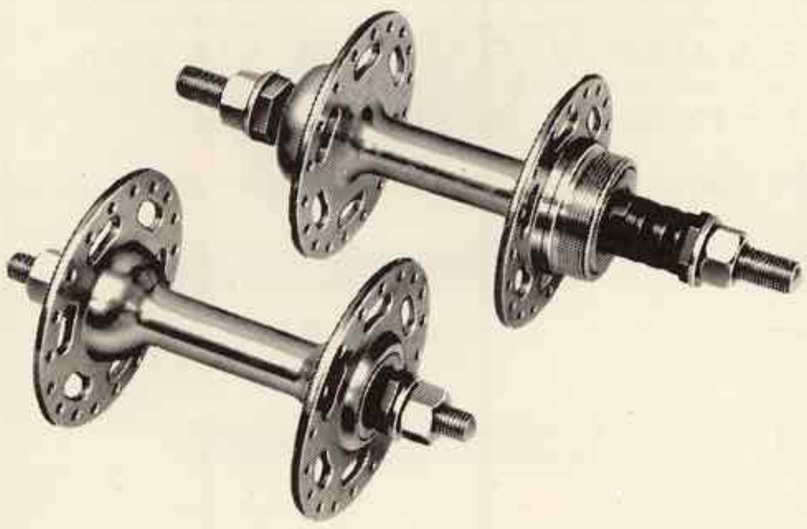
Quick Release Type

Front Model No.: H 710
Rear Model No.: H 810



Solid Axle Type with Wing Nut

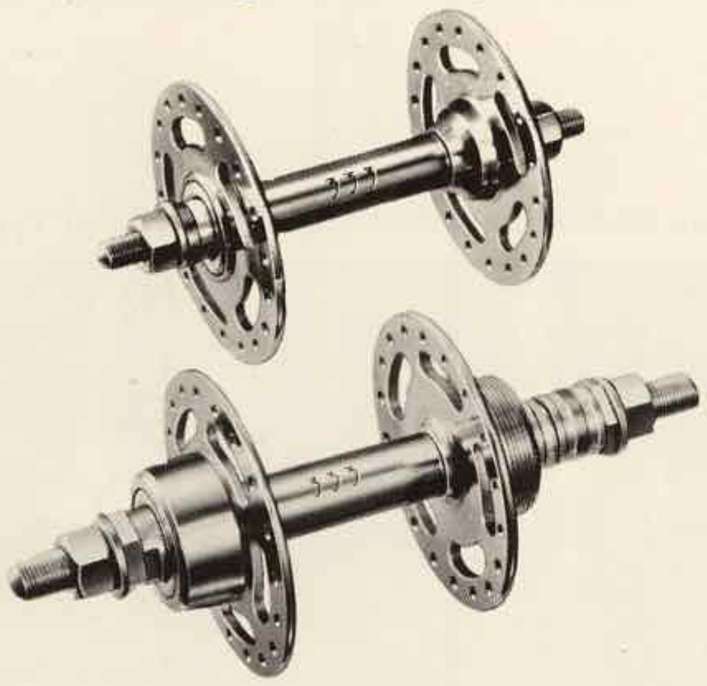
Front Model No.: H 720
Rear Model No.: H 820



Solid Axle Type

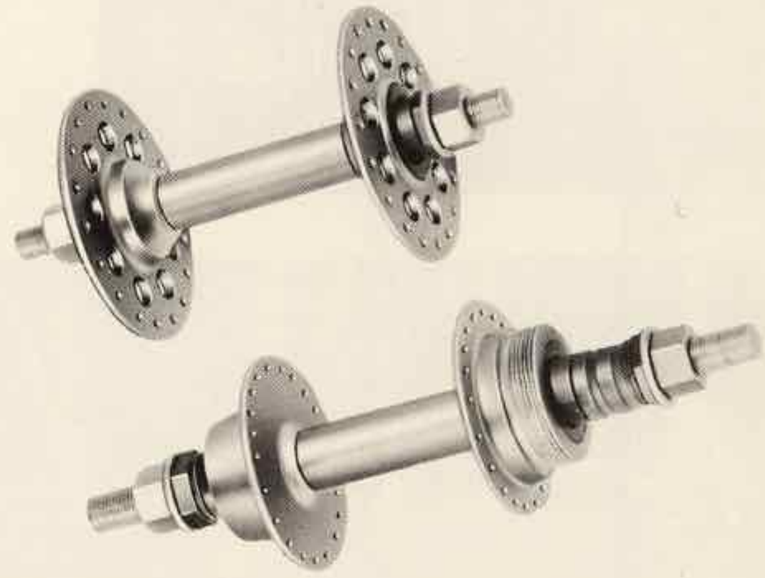
Front Model No.: H 700
Rear Model No.: H 800

Steel Large Flange Hub



Front Model No.: H 500
Rear Model No.: H 600

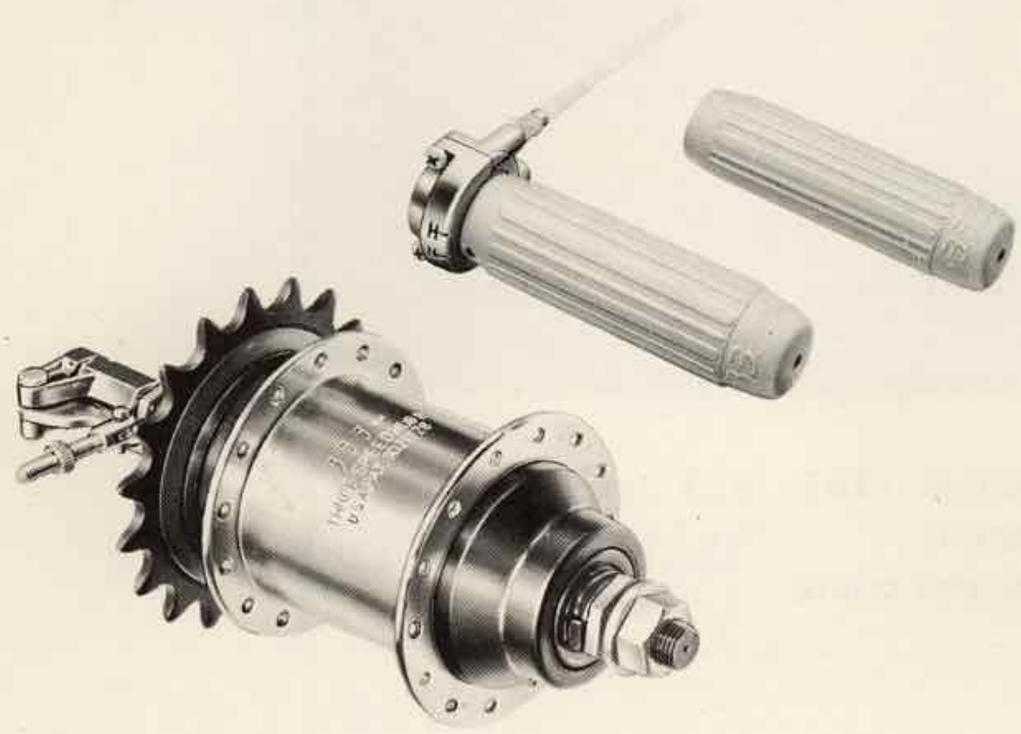
Steel Semi Large Hub



Front Model No.: H 300
Rear Model No.: H 400

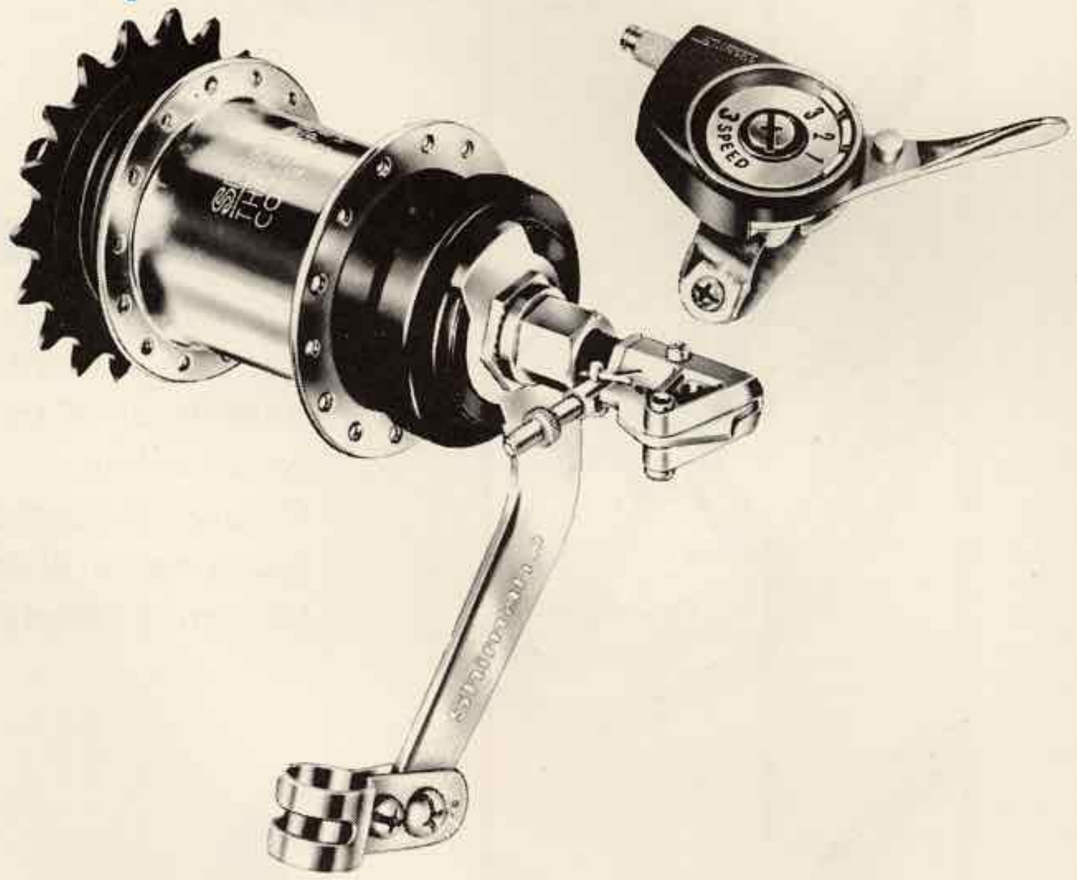
Speed Gear Hubs

3-Speed Hub



Model No.: T 100
Gear ratio: (H) 1:1.33 (N) 1:1 (L) 1:0.75
Spoke holes: 28 holes, 36 holes
Axle length: 6-1/32″ (153mm)
Sprocket: 1/2″×1/8″
Teeth: 14, 15, 16, 18, 19, 20
Weight: 38.8 oz (1,100g)

3-Speed Hub with coaster Brake



Model No.: T 300
Gear ratio: (H) 1:1.33 (N) 1:1 (L) 1:0.75
Spoke holes: 28 holes, 36 holes
Over lock nut length: 4.37″±1/16″
Sprockets: 1/2″×1/8″
Teeth: 18, 19, 20
Weight: 47.6 oz (1,350g)

Automatic Gears

Automatic 2-Speed Hub

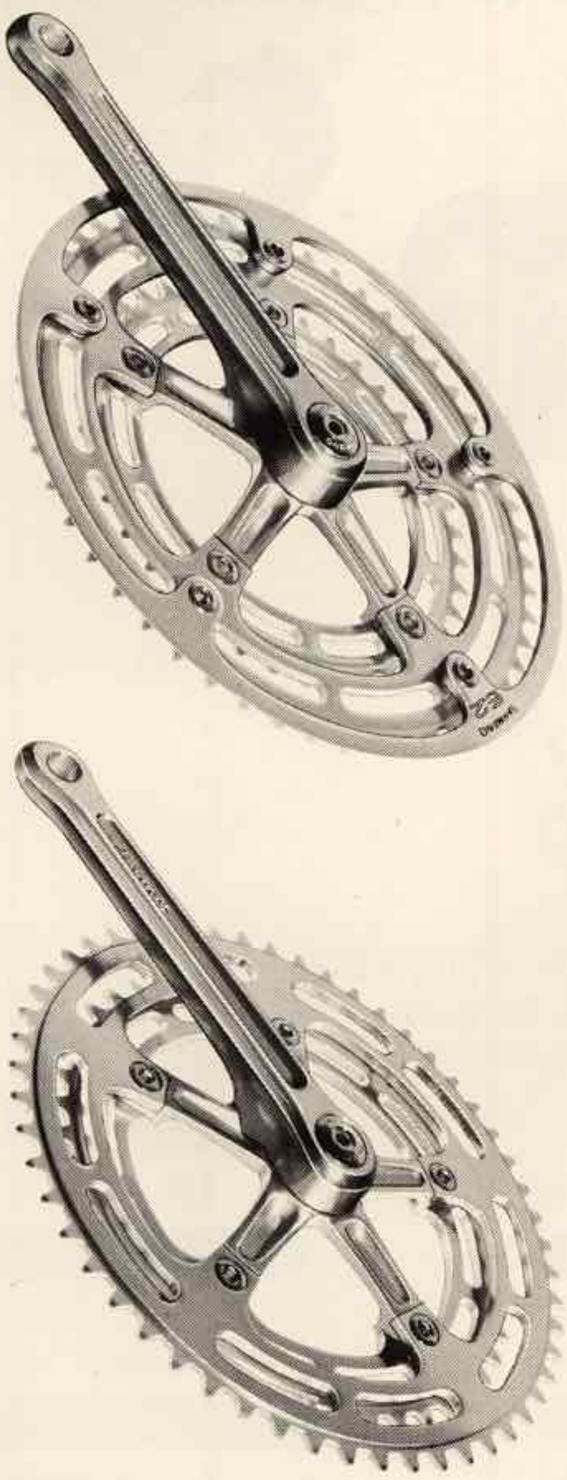


FEATURES

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

Model No.: A 600
Gear ratio: (H) 1:1 (L) 1:075
Spoke holes: 28 holes, 36 holes
Axle length: 6″
Sprockets: 1/2″×1/8″
Teeth: 14, 15, 16, 18, 19, 20
Weight: 49.4 oz (1400g)

Front Chain Wheel.



Features

* Lightweight: Forged light alloy
* Beauty: Jewel finish
* Versatility: Can be used for gears with much wider ratios,
* Safety: Protector optional (39T, 52T touring types come with protector)
* Design: Cotterless five-arm crank

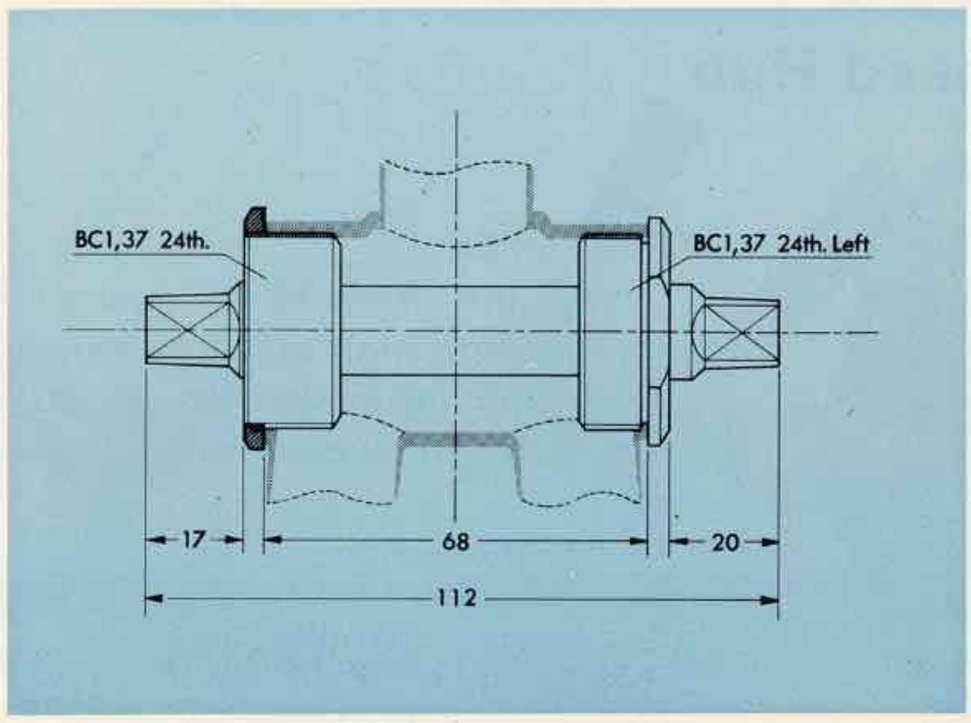
Specifications

* No. of teeth: 39—52T, with chain guard. 45—54T.
* Chain ring tooth thickness: 3/32″
* Crank length: 6-1/2″ (165mm), 6-3/4″ (170mm)
* Hanger width: 68mm

Dura-Ace 39T, 52T with protector

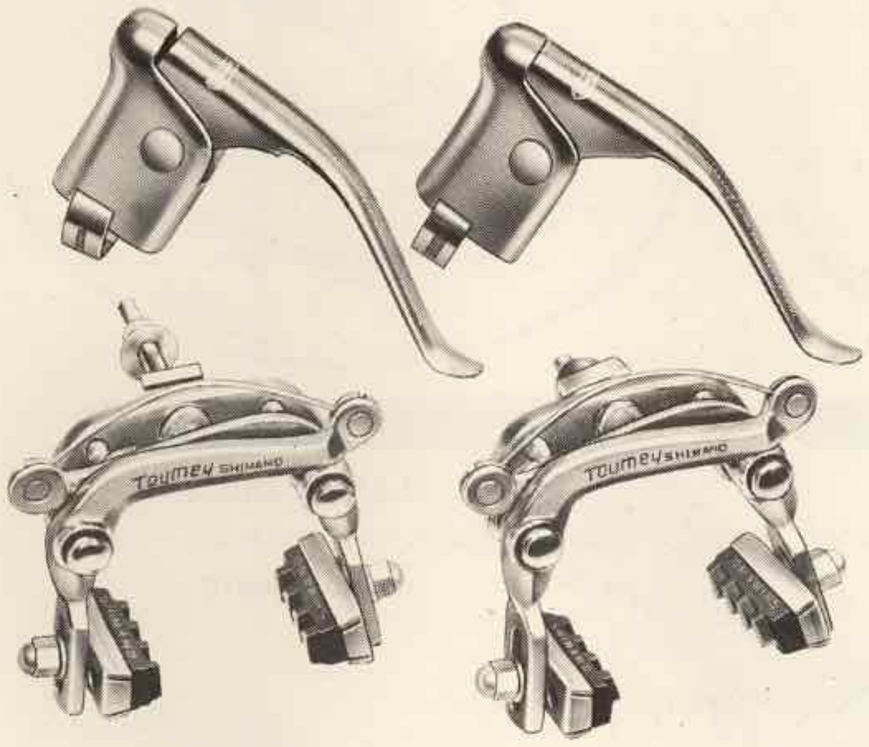
Dura-Ace 45T, 54T

Hanger Axle



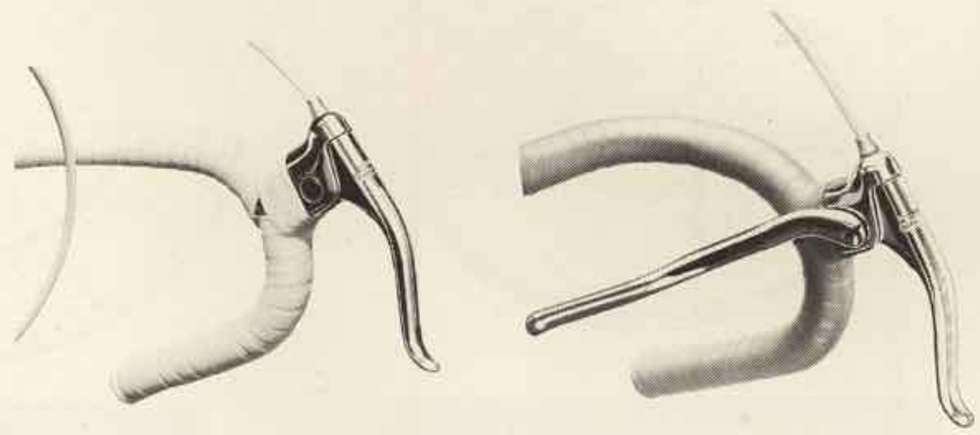
Brakes

Caliper Brake



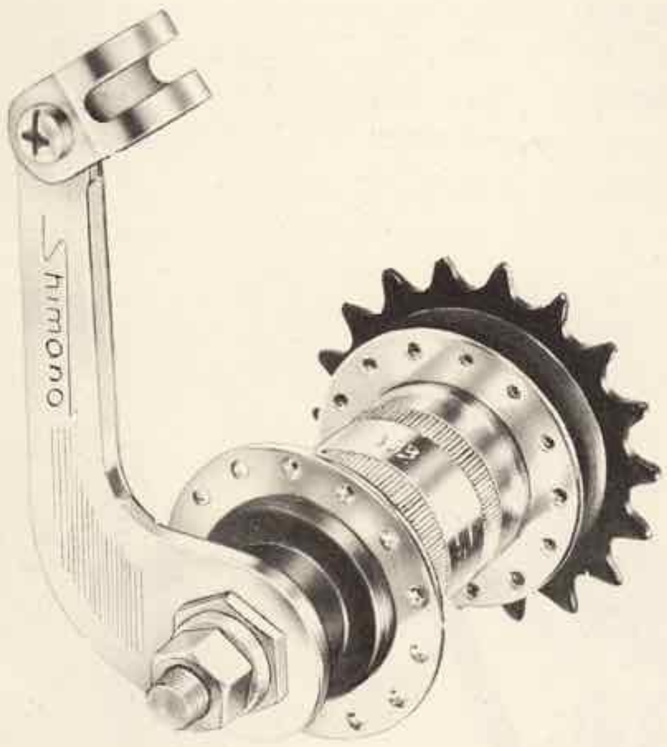
Center Pull Type
S-type Model No.: B 110
M-type Model No.: B 120

Caliper Brake Lever



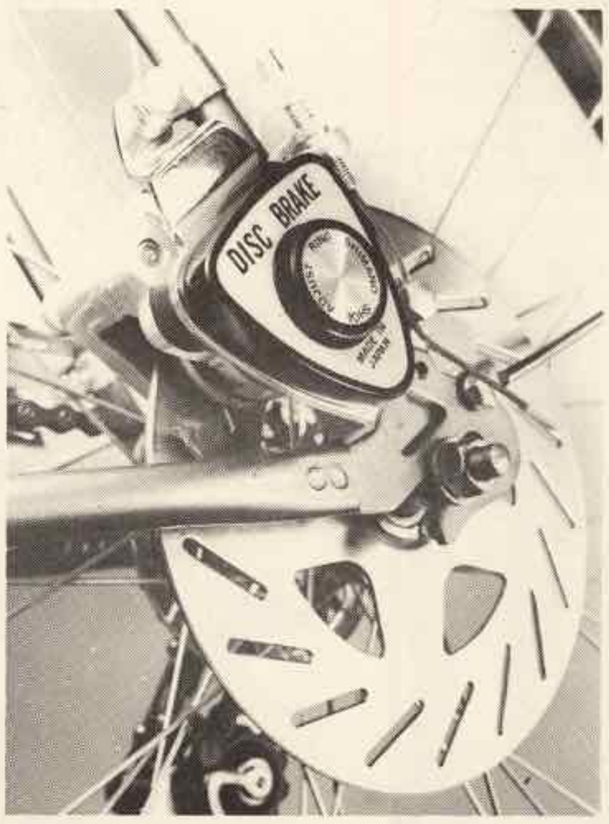
Hooded Lever (22.2ϕ) Model No.: M 110
Hooded Lever (23.8ϕ) Model No.: M 120
Dual Extention Lever (22.2ϕ) Model No.: M 210
Dual Extention Lever (23.8ϕ) Model No.: M 220

Coaster Brake



Model No.: C 100
Axle length: 6-1/2″ (163mm)
Spoke holes: 20 holes, 28 holes,
36 holes available
Sprockets: 1/2″×1/8″
Teeth: 14, 15, 16, 18, 19, 20.
Weight: 30.3 oz (860g)

Disc Brake

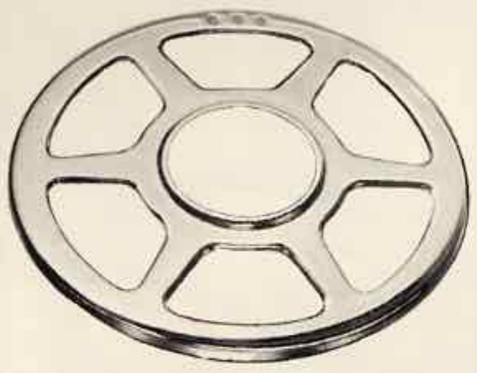


Model No.: B 700

FEATURES

The disc brake is made up of two frictional pads that grip the disc with strong force, for extermely high stability. Simple structure with smooth, sure action, even in the rain.
Diameter of the disc: 7″ (178mm)
Exclusive rear hub for disc brake : 36 holes.

Spoke Protectors



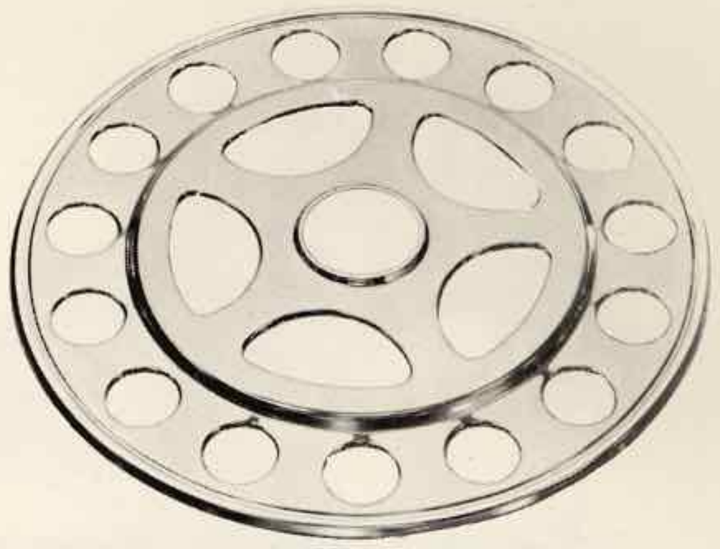
Model No.: P 100

Diameter: 4-1/2″ (110mm)
Use range: Low gears up to 24 teeth



Model No.: P 310

Diameter: 7-1/2″ (190mm)
Use range: Low gears up to 28 teeth



Model No.: P 410

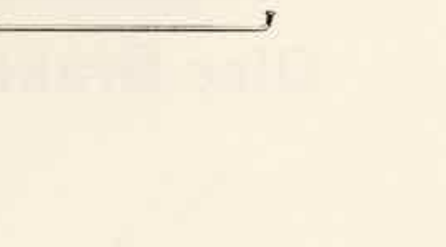
Diameter: 8-1/2″ (215mm)
Use range: Low gears up to 32 and 34 teeth

Spokes & Nipples



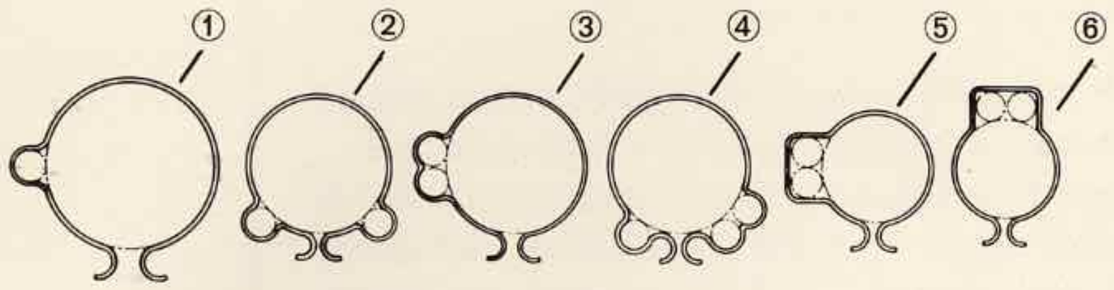
Special Tools

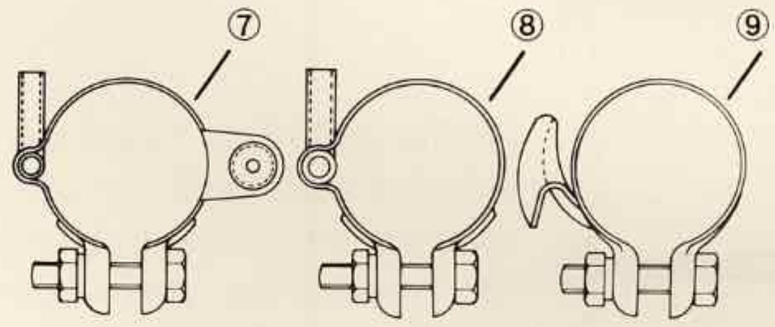


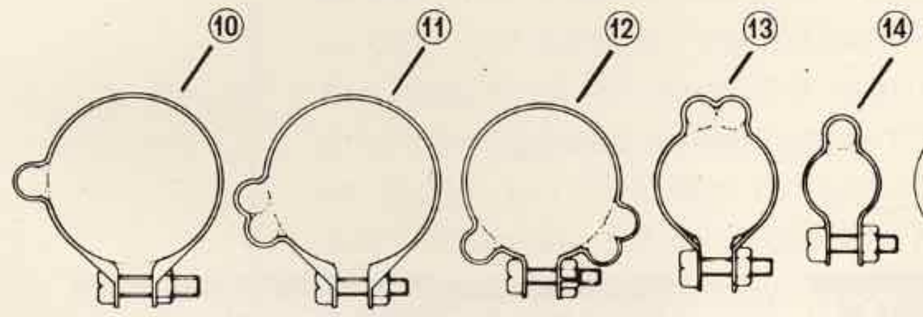


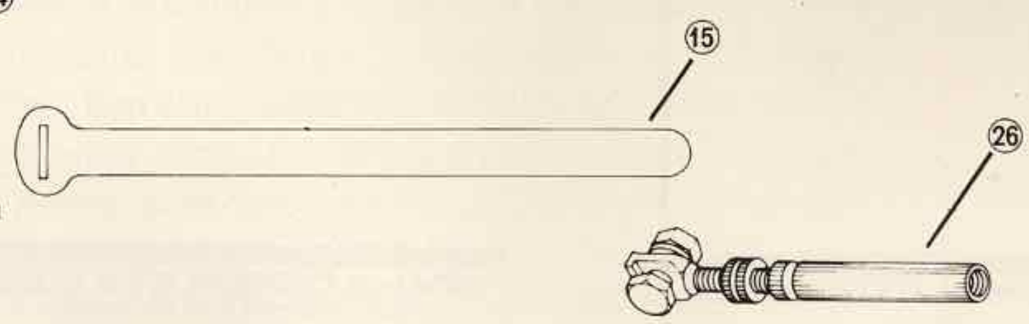
(A) Plier for 3-speed hub snap ring removal. (Model No.: ×301)
(B) Spanner for cone, lock nut adjustment of 3-speed hub, trimatic and Coaster Brake. (Model No.: ×302)
(C) Automatic 5 multi-stage freewheel removal tool. (Model No.: ×402)
(D) Boss type multi-stage freewheel removal tool. (Model No.: ×401)
(E) Tool for removing ball cup (Model No.: ×303)
3-Speed Hub.
3-Speed Hub with Coaster Brake.
(F) Hexagon wrench keys. (Model No.: ×101) (5mm)
(Model No.: ×102) (6mm)
(G) Cotterless clank extractor (Model No.: ×701)
(H) Chainwheel screw peg spanner (Model No.: ×702)

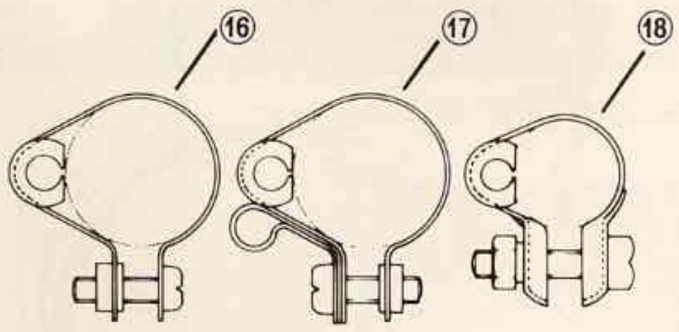
Outer Band (Cable Clip)

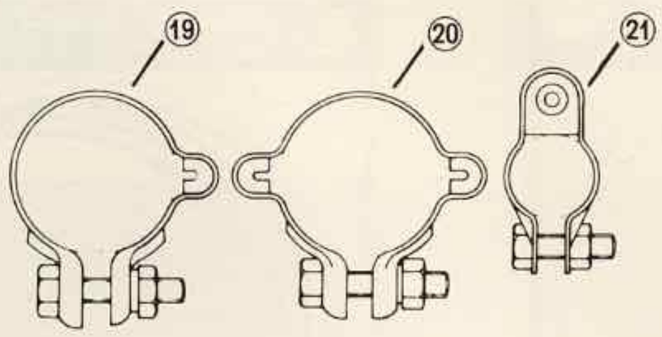


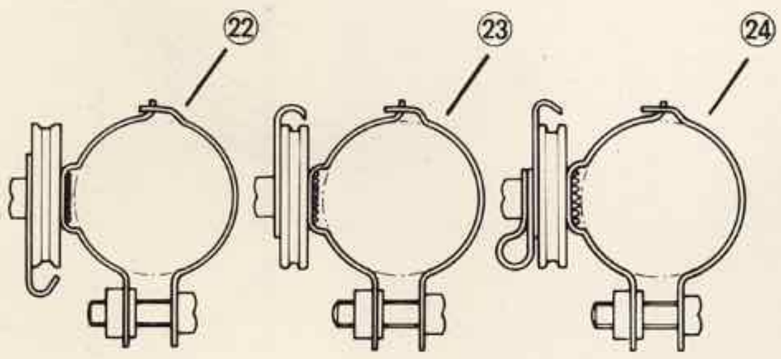


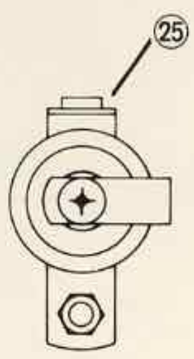








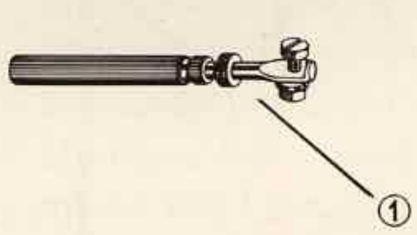




ITEM NO.	CODE NO.	DESCRIPTION inch (mm)
1	643 1000	Outer Clip A-type 1⅛ (28.6)
	643 0900	Outer Clip A-type 1 (25.4)
	643 2200	Outer Clip A-type ⅞ (22.2)
	643 8000	Outer Clip A-type ¾ (19.0)
	643 0700	Outer Clip A-type ⅝ (15.9)
	643 0800	Outer Clip A-type ½ (12.7)
2	643 0901	Outer Clip B-type 1 (25.4)
3	611 3500	Outer Clip C-type 1 (25.4)
4	651 0800	Outer Clip D-type 1 (25.4)
5	611 3501	Outer Clip E-type ¾ (19.0)
6	611 3502	Outer Clip F-type 11/16 (17.5)
7	622 9014	Cable Guide A-type 1 (25.4) M4.5×24
	622 9102	Cable Guide A-type 1⅛ (28.6) M4.5×24
8	622 9103	Cable Guide B-type 1 (25.4) M4.5×24
	622 9101	Cable Guide B-type 1⅛ (28.6) M4.5×24
9	622 9010	Cable Guide C-type 1⅛ (28.6) M4.5×24
10	651 9101	Outer Band A-type 1 (25.4) M3.0×14
	651 9102	Outer Band A-type 1⅛ (28.6) M3.0×14
11	651 9103	Outer Band B-type 1 (25.4) M3.0×14
	651 9104	Outer Band B-type 1⅛ (28.6) M3.0×14
12	651 9100	Outer Band C-type 1 (25.4) M3.0×14
13	651 9105	Outer Band D-type ¾ (19.0) M3.0×14
	651 9106	Outer Band E-type ⅝ (15.9) M3.0×14

ITEM NO.	CODE NO.	DESCRIPTION
14	651 9107	Outer Band E-type ½ (12.7) M3.0×14
	651 9108	Outer Band E-type 7/16 (11.1) M3.0×14
15	611 0501	Outer Band 5.9 (150)
	611 0500	Outer Band 4.52 (115)
	611 0600	Outer Band 3.14 (80)
16	611 9005	Stopper Band A-type 1⅛ (28.6) M4.5×15
	611 9006	Stopper Band A-type 1 (25.4) M4.5×15
	611 9008	Stopper Band A-type ⅞ (22.2) M4.5×15
17	611 9009	Stopper Band B-type 1 (25.4) M4.5×15
18	611 9010	Stopper Band C-type ¾ (19.0) M4.5×24
	611 9011	Stopper Band C-type 11/16 (17.5) M4.5×24
	643 9044	Stopper Band C-type ⅝ (15.9) M4.5×24
	643 9045	Stopper Band C-type ½ (12.7) M4.5×24
19	622 9106	Cable Stop A-type 1⅛ (28.6) M4.5×24
20	622 9107	Cable Stop B-type 1⅛ (28.6) M4.5×24
21	622 9105	Cable Stop C-type ⅝ (15.9) M4.5×15
	622 9108	Cable Stop C-type ½ (12.7) M4.5×15
22	611 9001	Guide Roller A-type 1⅛ (28.6) M4.5×15
23	611 9002	Guide Roller B-type 1 (25.4) M4.5×15
	654 9011	Guide Roller B-type ⅝ (15.9) M4.5×12
24	611 9012	Guide Roller C-type 1 (25.4) M4.5×15
25	611 9002	Guide Roller D-type 1 (25.4) M4.5×15
26	643 9022	3-Speed Universal Joint A-type for SHIMANO Only

Cable









Universal joint Model No.: W 910
3 SU Model No.: W 911
5 DU-A Model No.: W 921
5 DU-B Model No.: W 922

Item No.	Model No.	Part No.	Description	Usage
1	W910	643 9022	Universal joint	All kinds of SHIMANO 3-speed hub trimatic control lever
2	W911	602 0100	#3SU 3-speed universal spare cable with universal joint	
3	W921	603 0810	#5DU-A 5 and 10-speed universal spare cable shape of cable end 1.5ϕ	5-speed click stick and console lever
4	W922	603 0820	#5DU-B 5 and 10-speed universal spare cable shape of cable end 1.2ϕ	5 and 10-speed ordinary lever

MEMO



SHIMANO

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