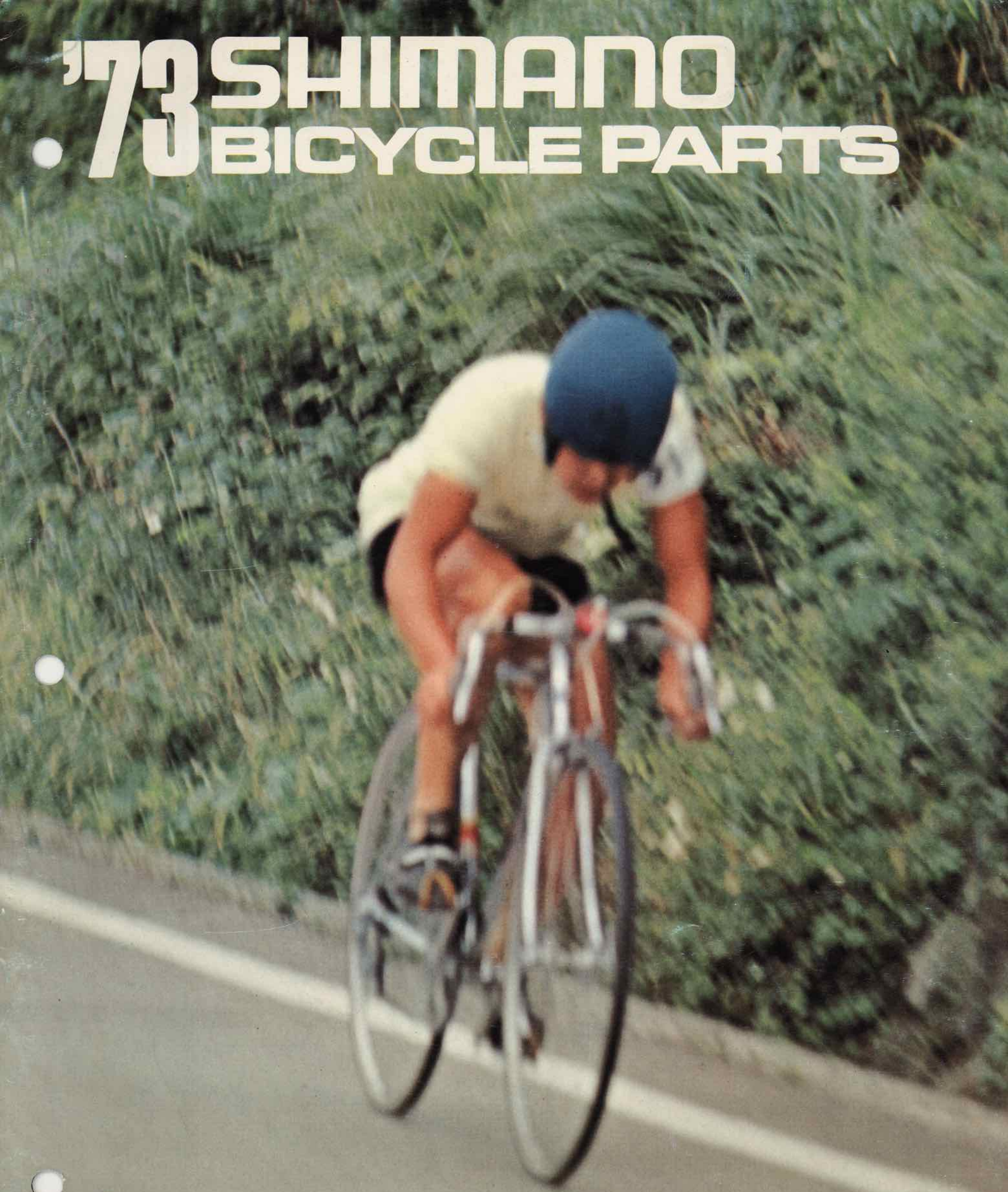
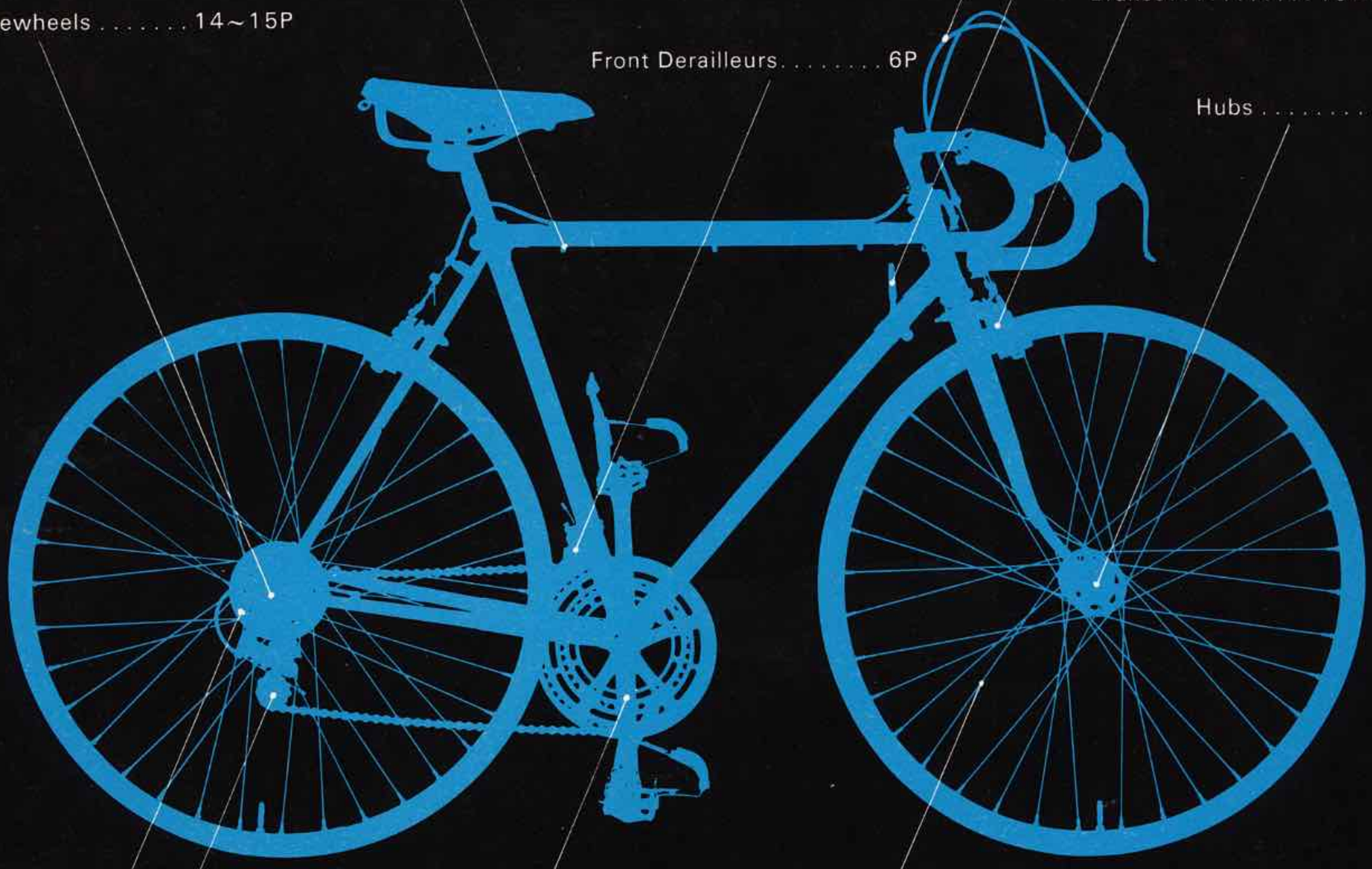
'73 SHIMANO BICYCLE PARTS



SHIMANO

Contents

Cables 23P
Outer Bands 22P
Levers . . . . . 7~11P
Brakes . . . . . 19~20P
Freewheels . . . . . 14~15P
Front Derailleurs 6P
Hubs . . . . . 16~17P
Rear Derailleurs . . . . . 4~5P
Front Chain Wheels 18P
Spokes & Nipples 21P
Special Tools 21P
Spoke Protectors 21P

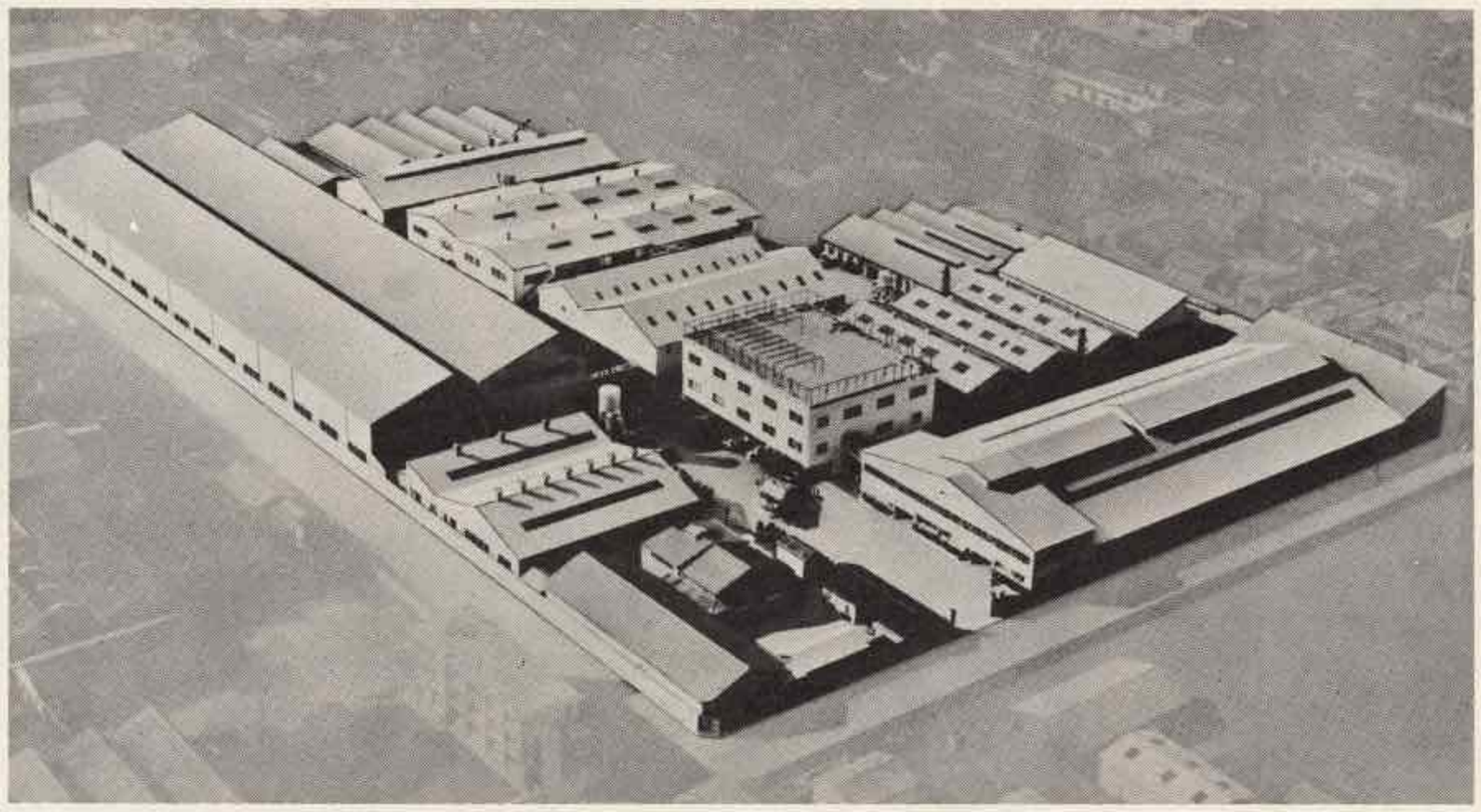


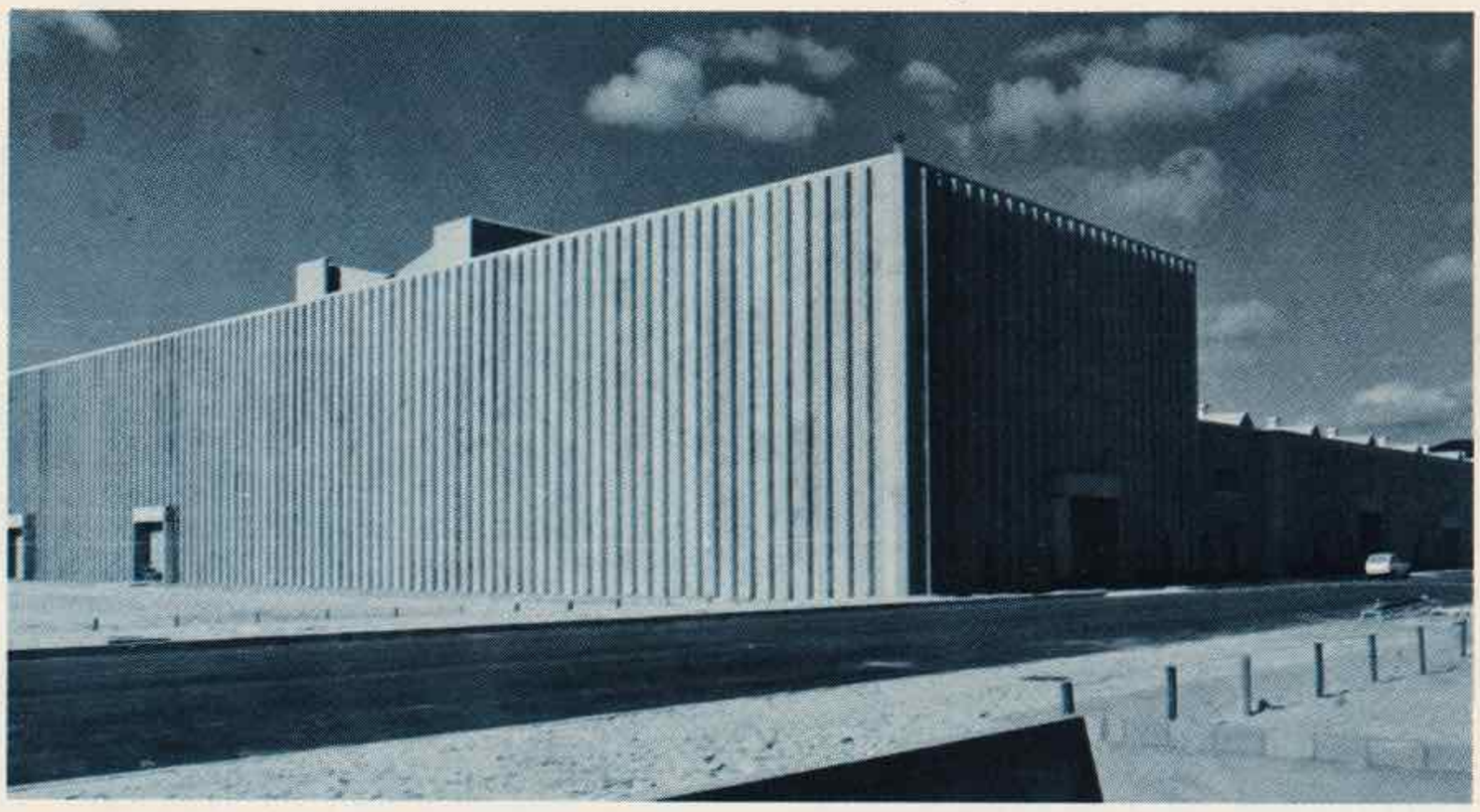
Guide of Shimano

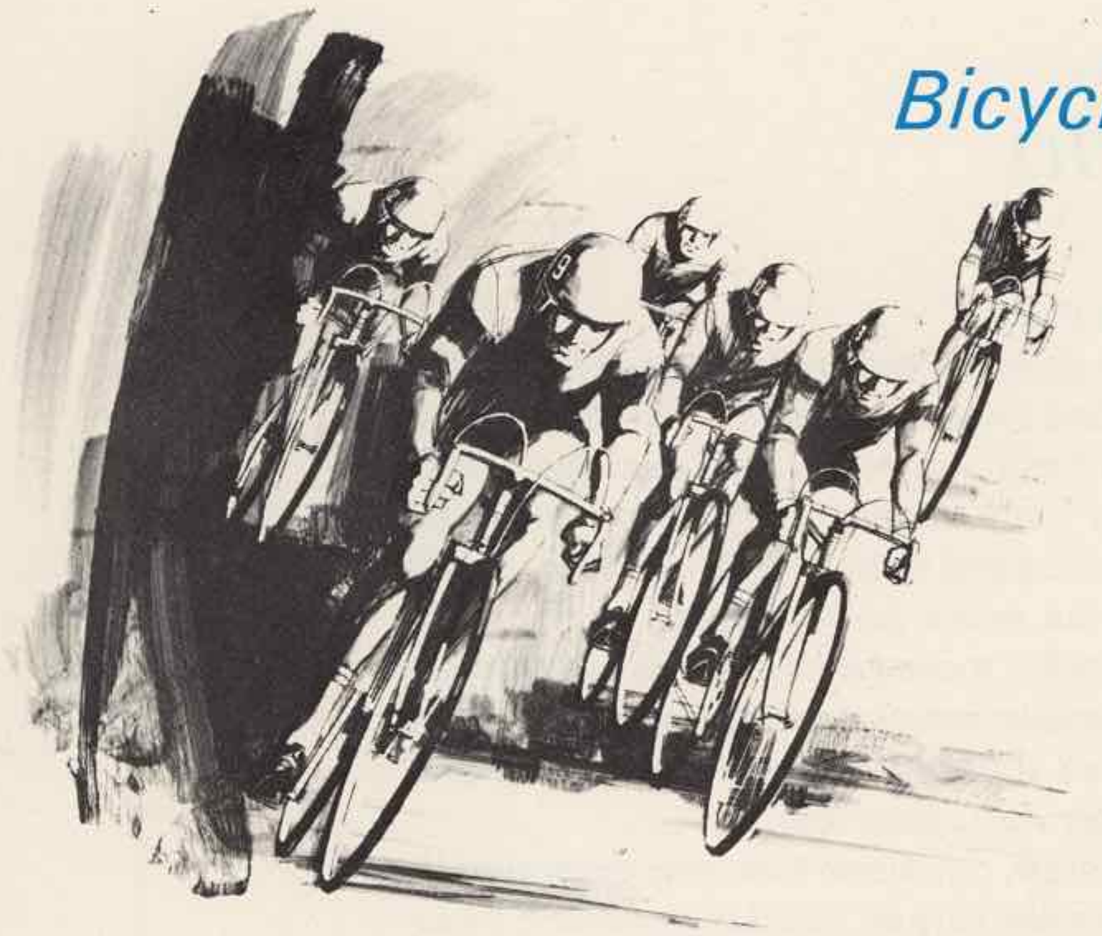
Leading the World in Quality Bicycle Parts

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.





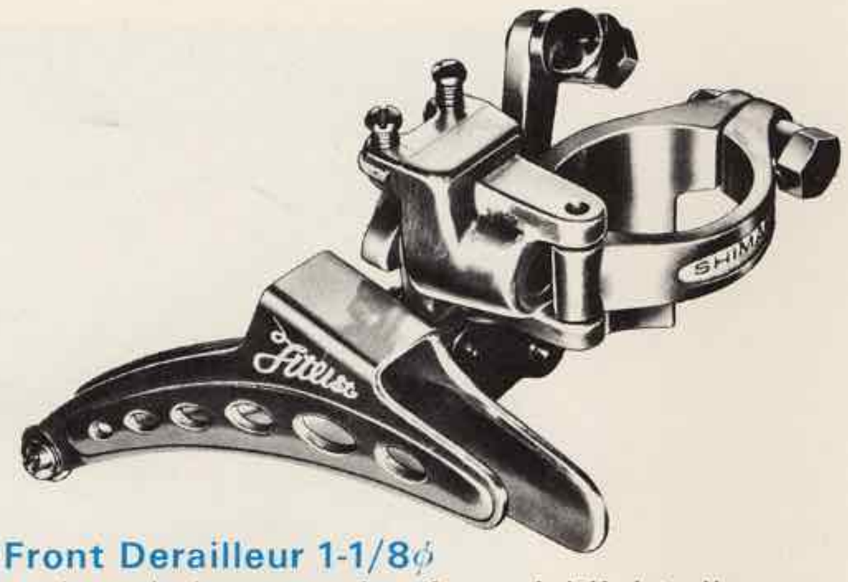


Bicycle Racing . . . Touring . . . Riding

As cycling has become more popular enthusiasts as well as professionals demand top quality, high performance equipment and accessories. To meet this demand Shimano has perfected the Dura-Ace line of professional quality cycling equipment.
On the starting line of the world's great cycling races, on the courses of the world's great cycling tours, wherever professional performances require professional equipment you will find Dura-Ace, the ultimate in cycling quality.



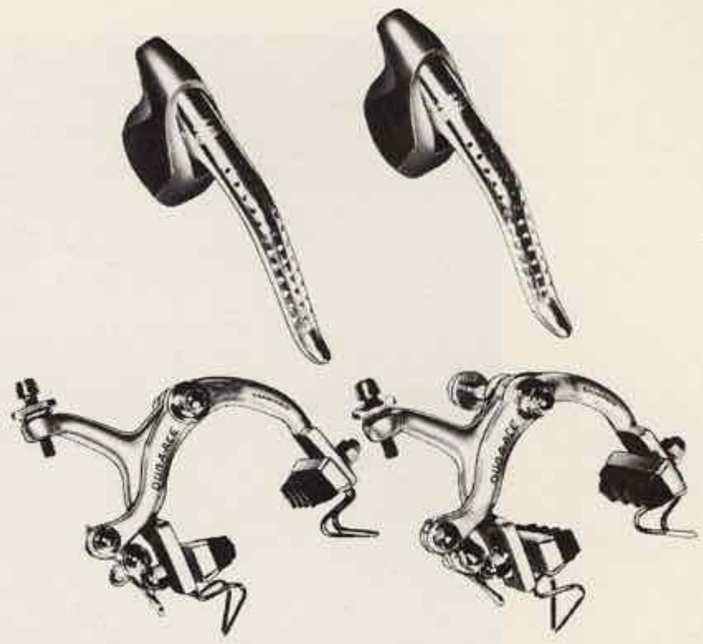
Crane Rear Derailleur
Best derailleur ever. Most advanced Servo-Pantograph for large chain wrap and snappy action. Highly finished from special alloy for light weight, beautiful appearance, and ruggedness. Capacity: 28 tooth difference.
Weight: 225g (7.6oz). Model No.: D-501



Titlist Front Derailleur 1-1/8ϕ
Pantograph and clamp made of special light alloy. High quality, smooth performance, with smart, elegant appearance. Limit adjustments easily made on top.
Weight: 140g (4.9oz). Model No.: E-304



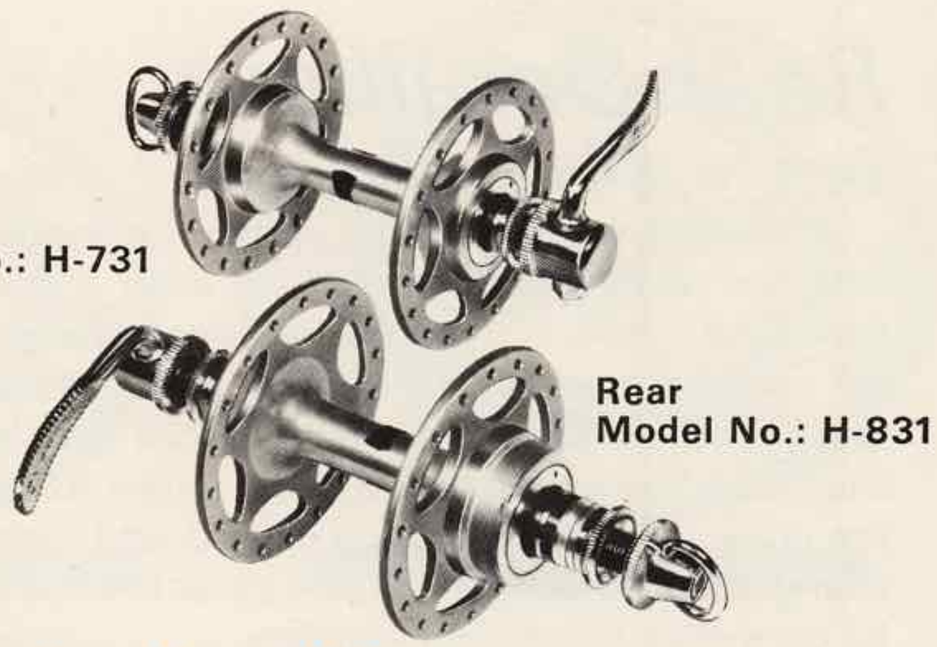
Multiple Freewheel
13, 15, 17, 19, 21/14, 16, 18, 20, 22 Teeth
Elaborately designed new racing model. Weight reduction holes. Special tooth shape for quick pick-up.
Standard hub mount: 1.37″ x 24 T.P.I.
Weight: 13-21T: 350g (12.4oz). 14-22T: 375g (13.2oz).
(14-22T) Model No.: F-100



Dura-Ace Side-Pull Caliper Brakes
Sturdy special light alloy structure to withstand stresses. Quick release and cable adjusters. Water shedding brake shoe design.
Hooded lever (23.8ϕ) Model No.: M-140
Caliper brake Model No.: B-210



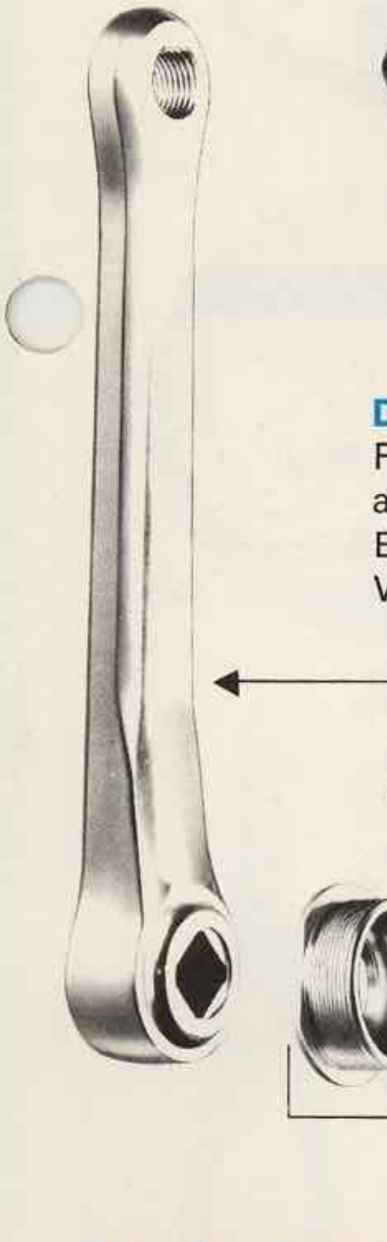
Front and Rear Fork Ends (SF Type)
Model No.: N-101

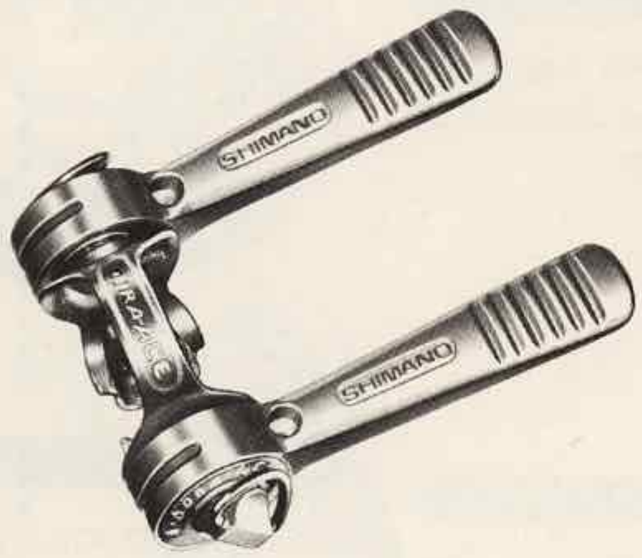


Front
Model No.: H-731

Rear
Model No.: H-831

Dura-Ace Large Flange Hubs
Special light alloy. Quick release. Curved slotted flanges.
36 x 36 double chamfered spoke holes.
Takes standard 1.37″ x 24 T.P.I. freewheel.
Weight: front 260g (9.2oz), rear 360g (12.7oz).
Over lock nut dimension: front 100m/m, rear 120m/m.
Front: Model No.: H-731, Rear: Model No.: H-831



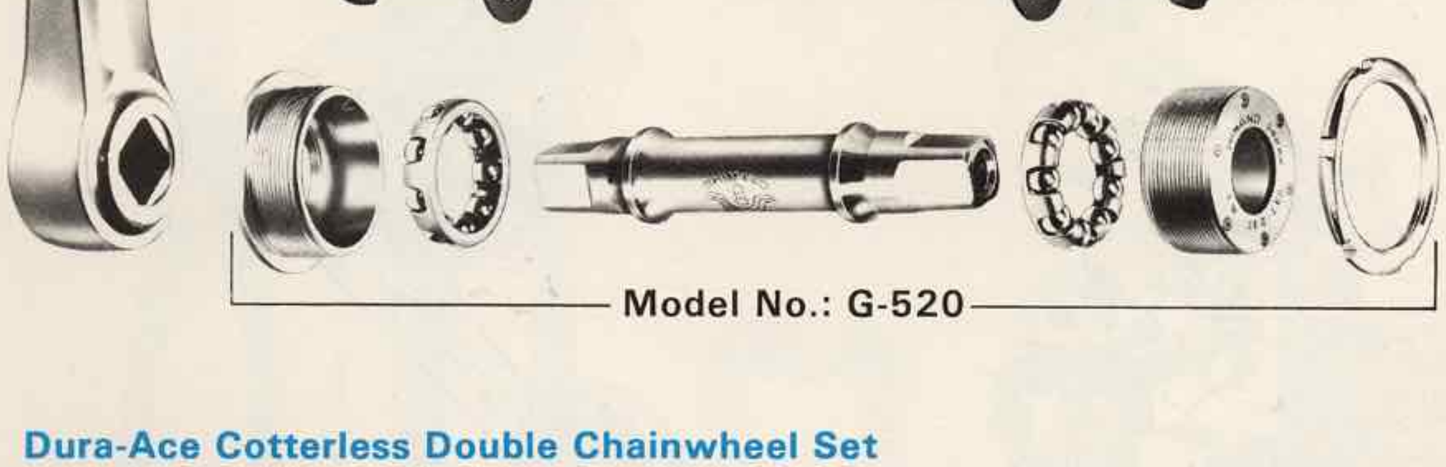


Dura-Ace Shifting Lever
Forged light alloy. Highly finished for beautiful appearance. Assures smooth shifting.
Easy wing-nut adjustment and Locking.
Weight: 75g (2.65oz). Model No.: L-284

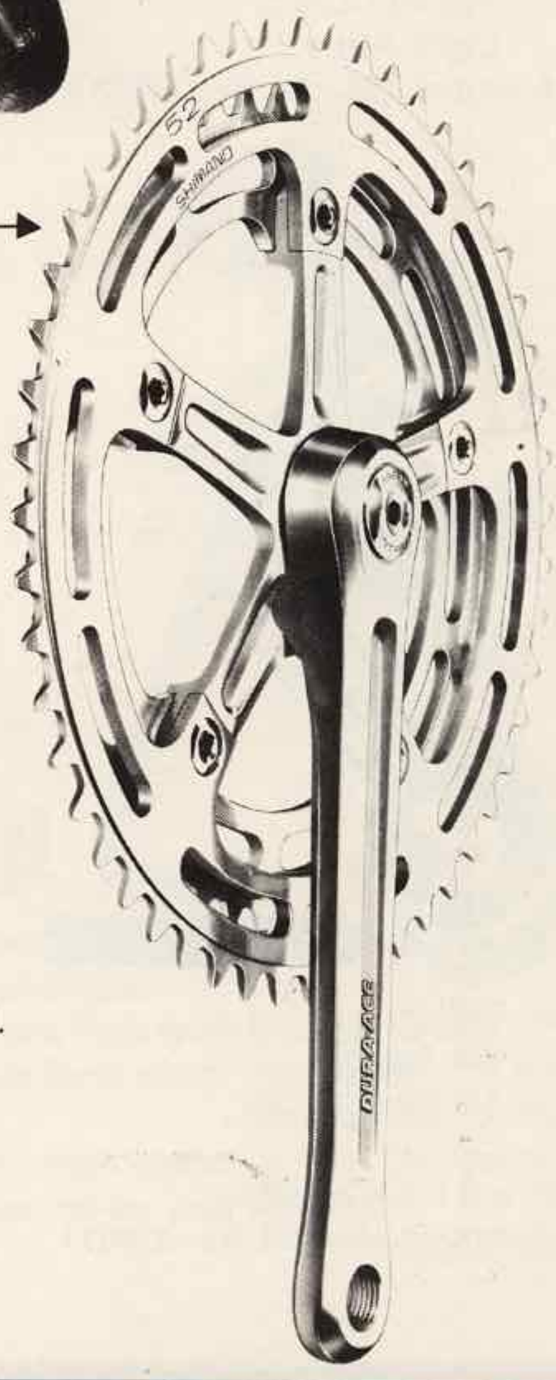


"Fingertip" Bar-End Control
Special light alloy. Built-in spiral spring compensates for pull of derailleur spring. Feels light as a feather. Weight: 80g (2.8ϕ).
Model No.: L-600

Model No.: G-210 Model No.: G-220



Model No.: G-520

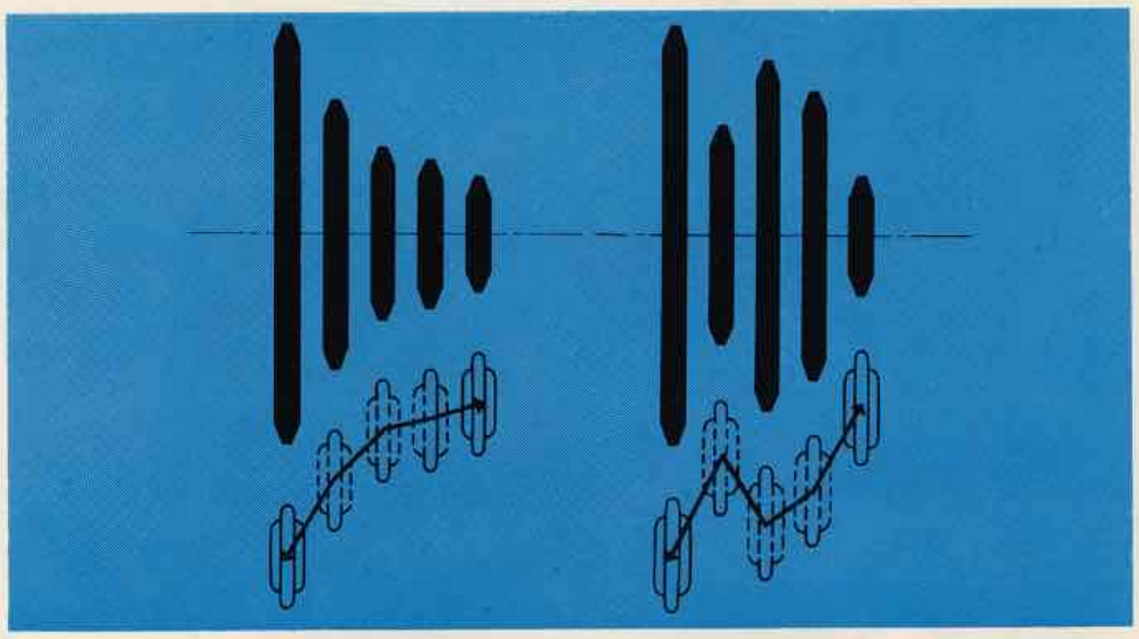


Dura-Ace Cotterless Double Chainwheel Set
Forged special alloy. Designed and machined with attention to details.
Chainwheel fully demountable and interchangeable.
Teeth carefully shaped and chamfered. Demountable alloy chainguard.
Outer rings: from 48 to 55. Inner rings: from 39 to 48.
Crank lengths: 165mm (6-1/2″), 170mm (6-3/4″). Accept pedals: 9/16 x 20 T.P.I.
Weight: 600g (21.2oz).
Bracket axle and fittings: Precision ground spindle-112mm.
Cups: 1.37″ x 24 T.P.I. R.H. and L.H. threads. Weight: 300g (10.6oz).
Model No.: G-210 165mm crank. Model No.: G-220 170mm crank.
Model No.: G-520. Bracket axle and fittings.
*Please specify a desired tooth number for each models.

Rear Derailleur

Servo Panta Mechanism

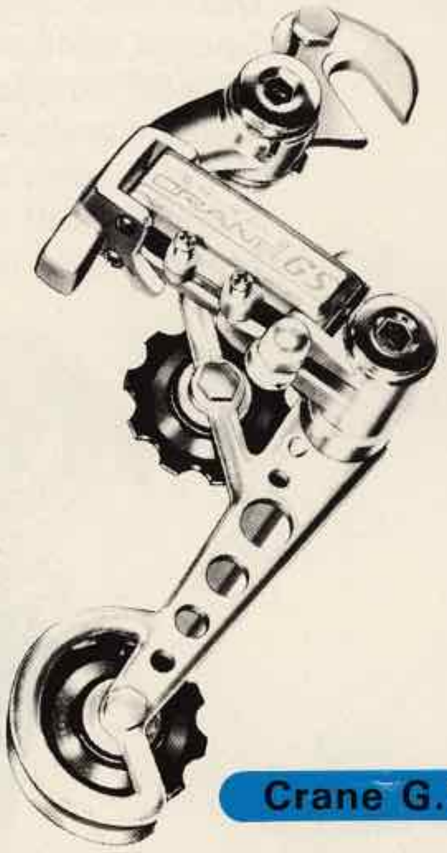
With the servo pantograph system, no matter how the teeth are assembled, or even if the front double gear is used, the distance between the sprocket teeth and the guide pulley is always practically the same. The special double oscillation movement of the guide pulley leads the chain, so lever operation 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)



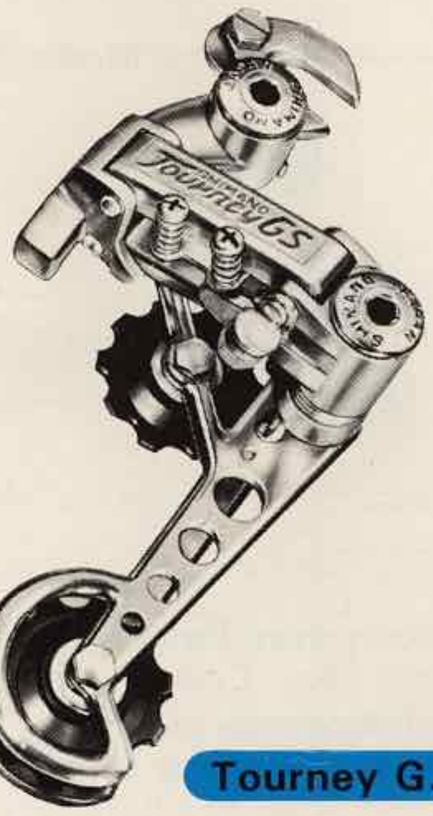
Titlist G.S.

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



Tourney

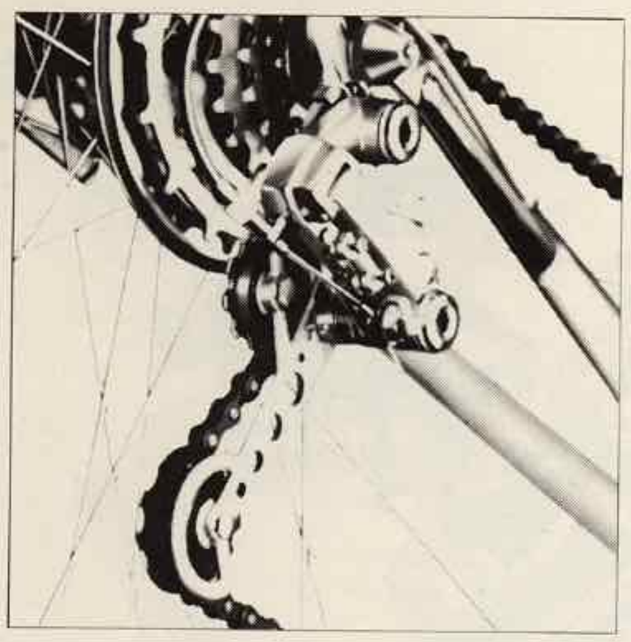
Model No.: D700
Capacity: 28 teeth
Weight: 10.6 oz (300g)
Material:
The Adaptor Member and Cage Plate Member are Light Alloy, but all Others are Steel.
Without Adaptor: Model No. D701



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

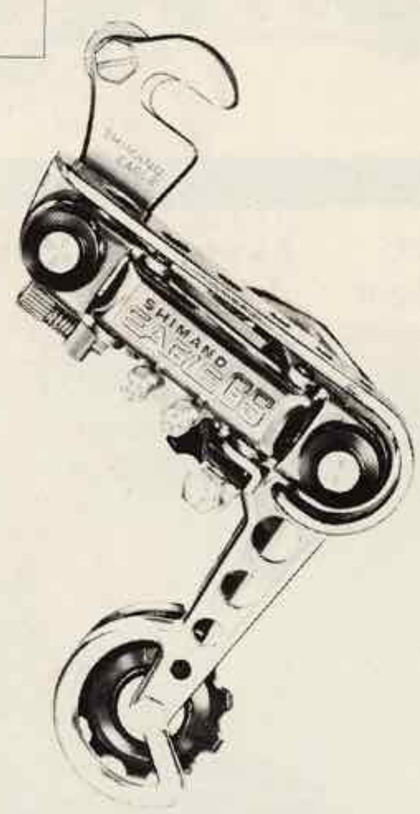
Derailleurs





Eagle S.S.

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



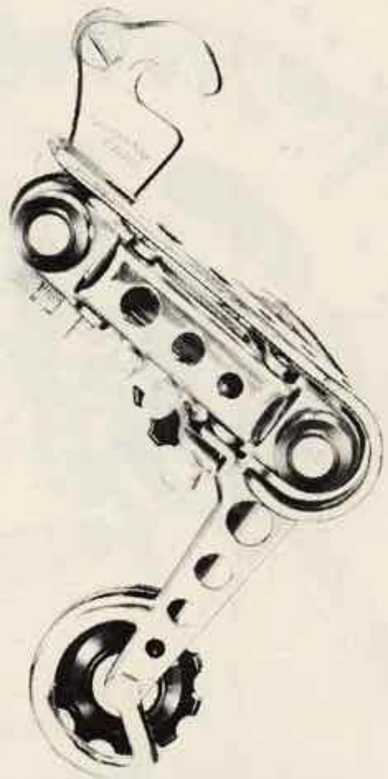
Eagle G.S.

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



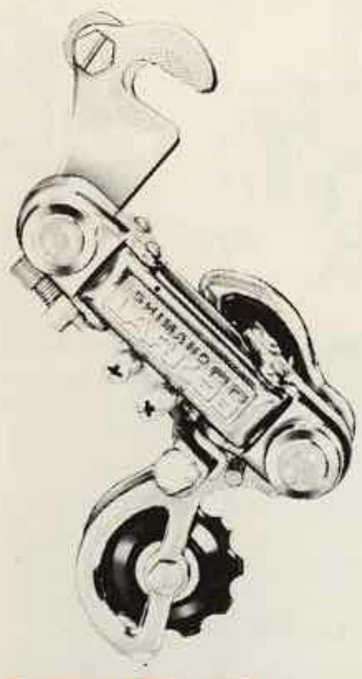
Eagle S.T.O.

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

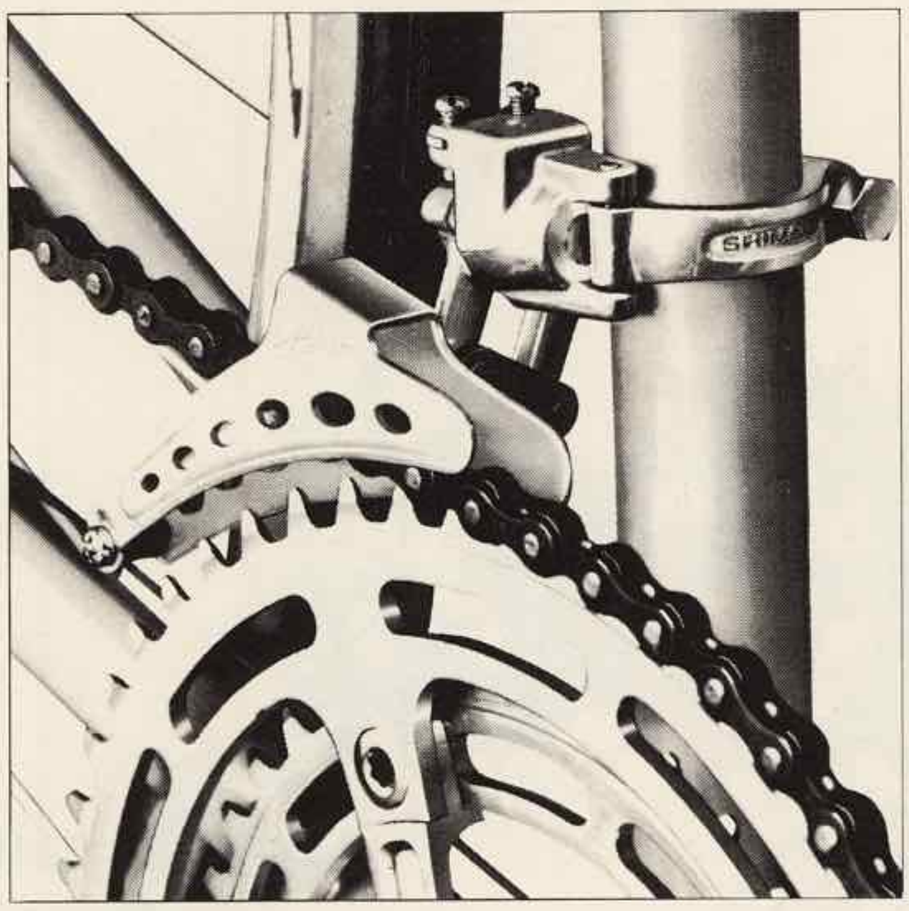
Model No.: D280
Capacity: 34 teeth
Weight: 12.7 oz (360g)
Material: Steel
With Special Twist Grip Control Lever

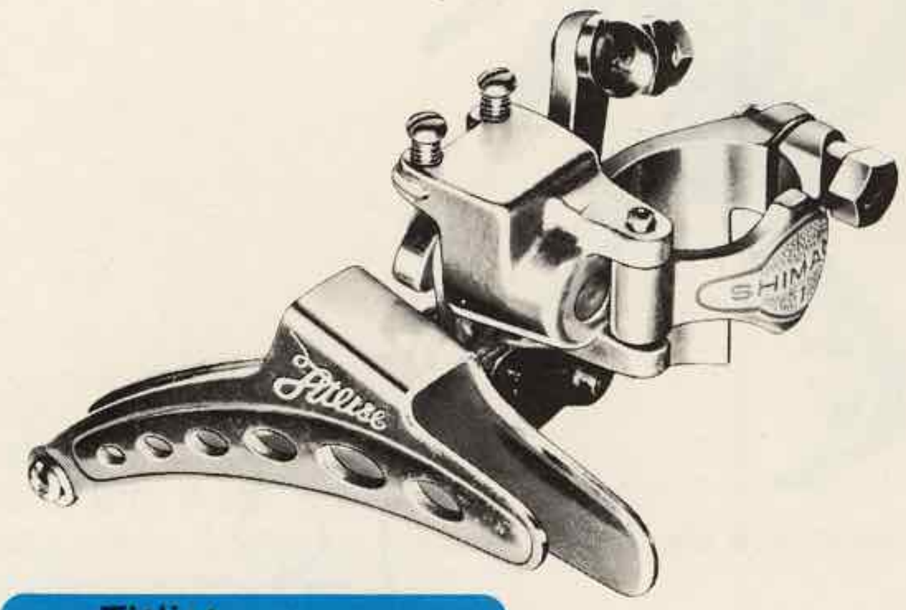


Sky Lark (C.P)

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

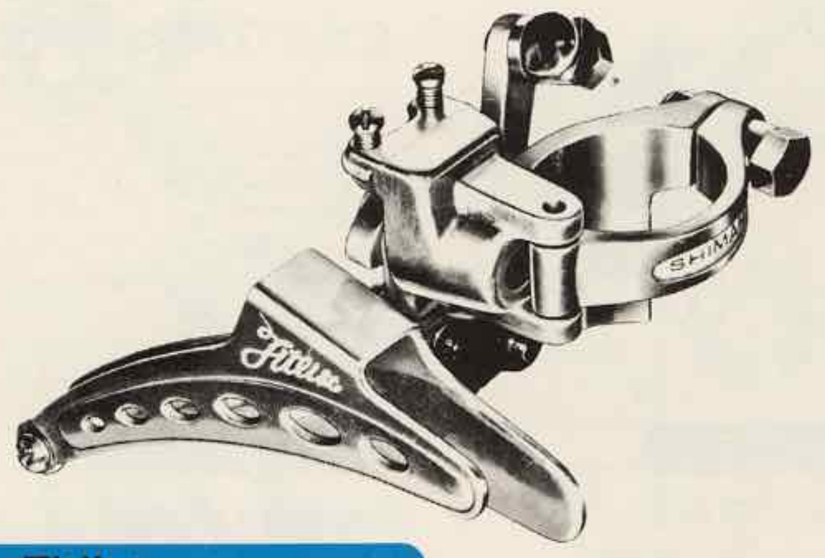
Front Derailleur





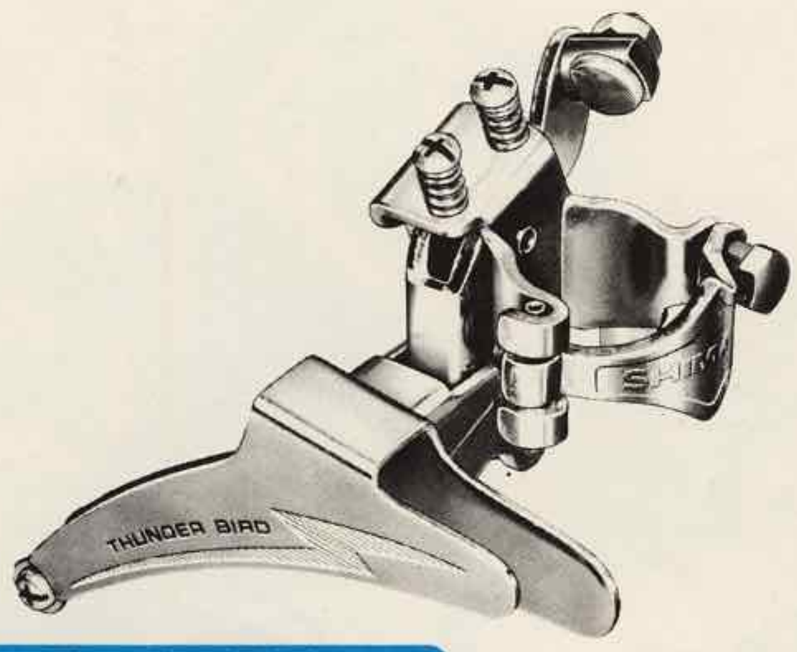
Titlist

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



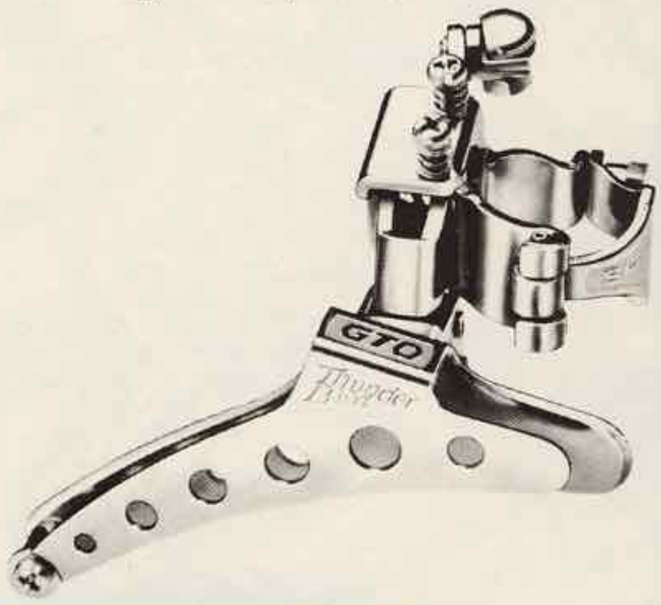
Titlist

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



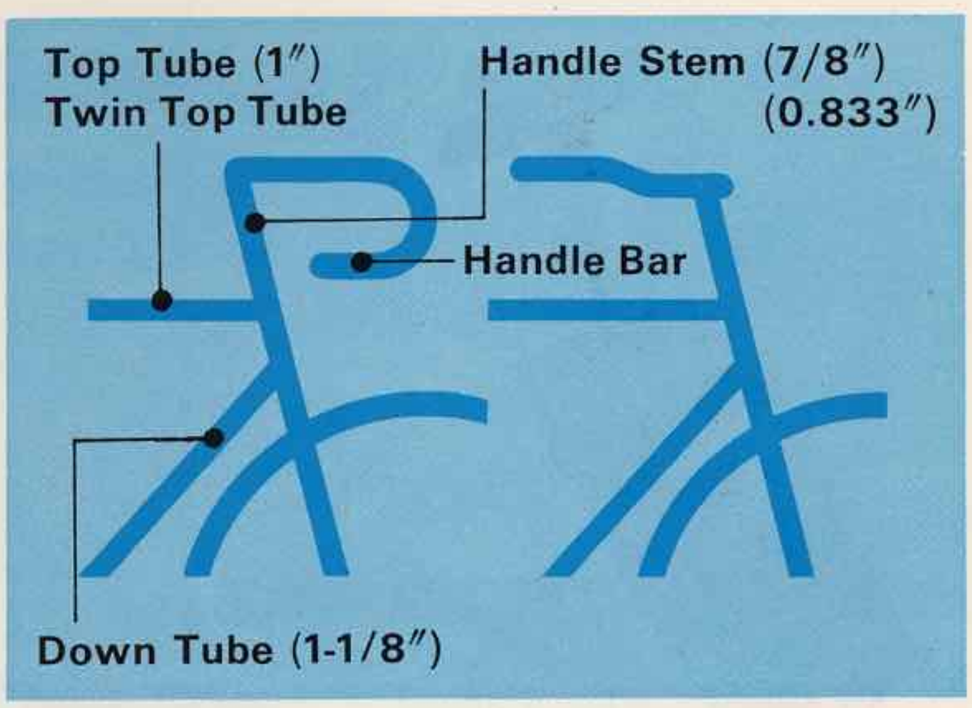
Thunder Bird

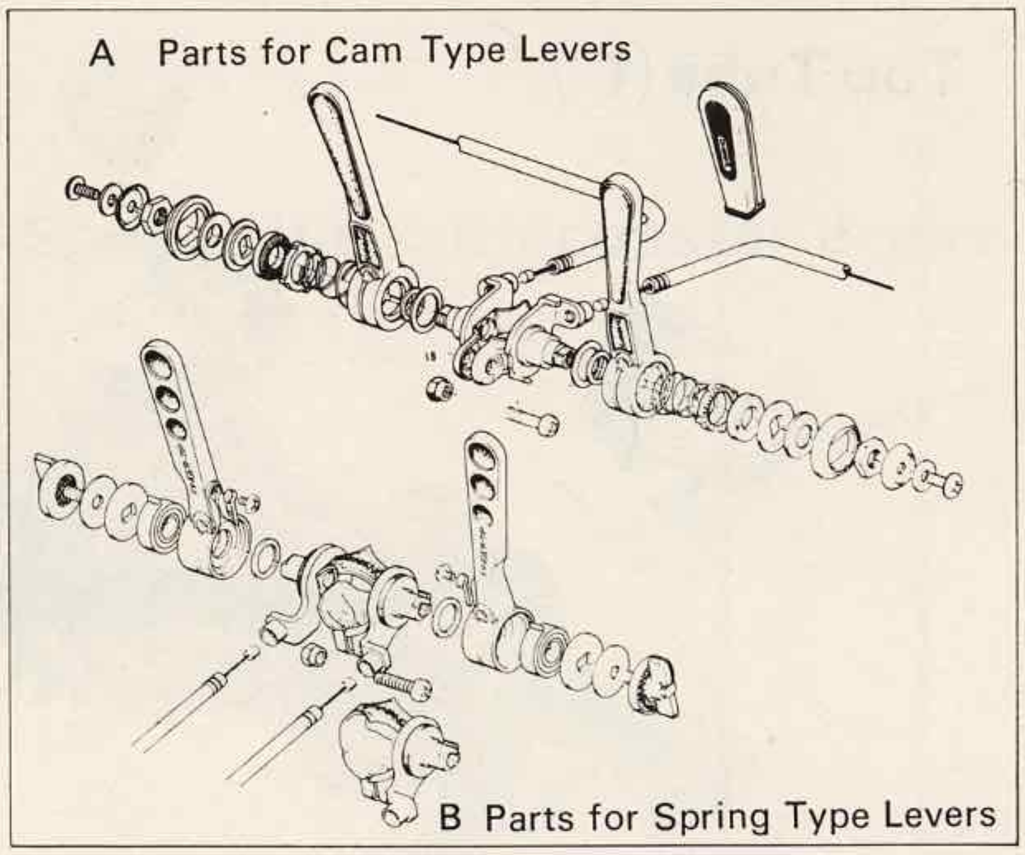
Type: Upper Inlet Type 1″ (Model No. E101)
Upper Inlet Type 1-1/8″ (Model No. E103)
Lower Inlet Type 1″ (Model No. E102)
Lower Inlet Type 1-1/8″ (Model No. E104)
Weight: 6.7 oz (190g)
Material: Steel



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″)



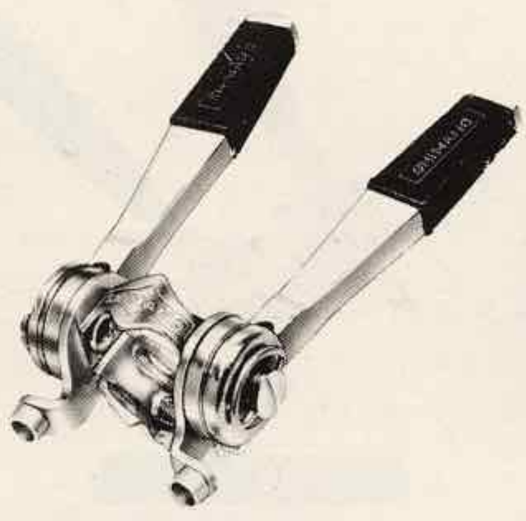
S-Alumi
Model No.: L 221
For 5-Speed

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



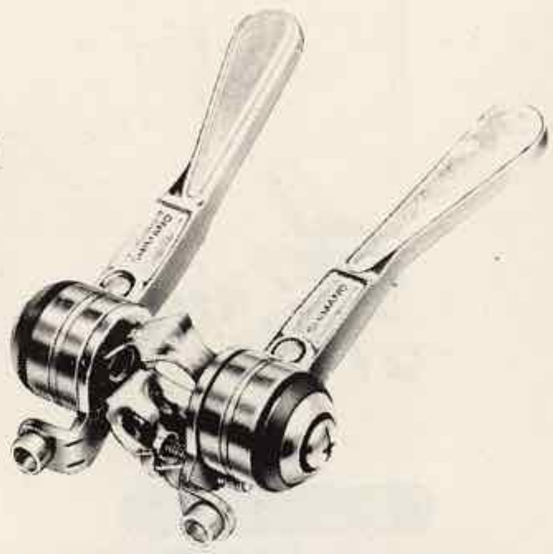
S-Long
Model No.: L 241
For 5-Speed

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



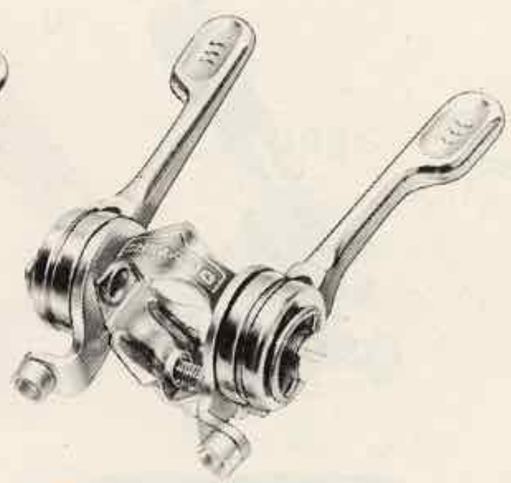
S-Super Shifter
Model No.: L 251
For 5-Speed

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″)

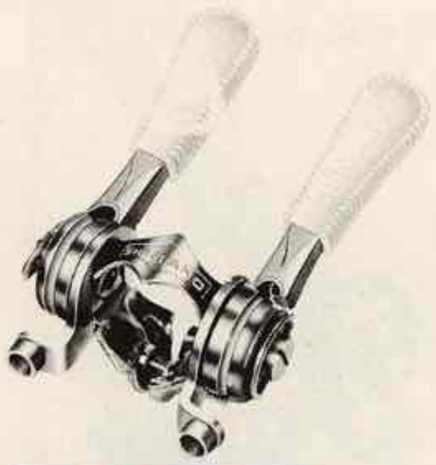


Semi-Console
Model No.: L 323
For 5-Speed



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

Down Tube (1-1/8″)



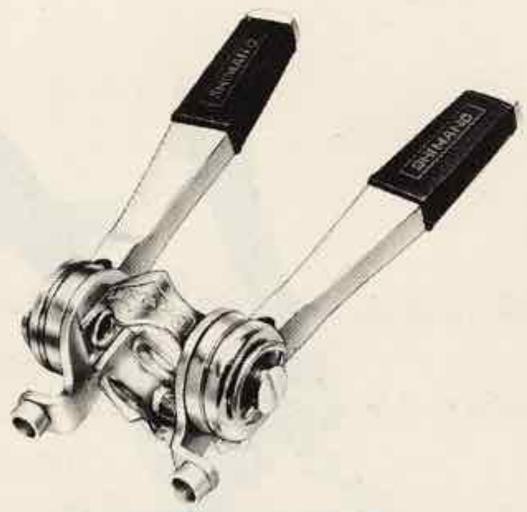
S-Alumi
Model No.: L 223
For 5-Speed

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



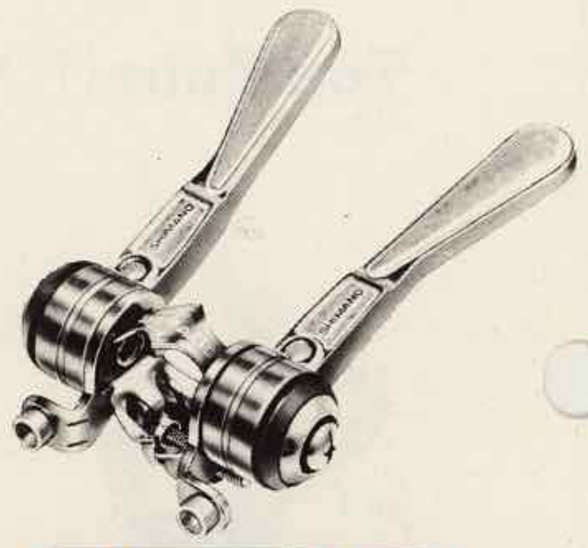
S-Long
Model No.: L 243
For 5-Speed

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



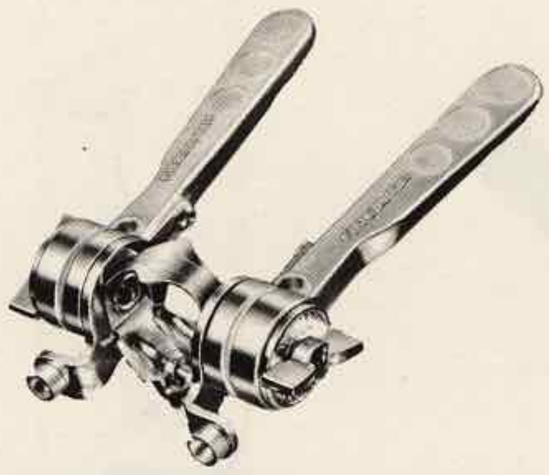
S-Flat
Model No.: L 273
For 5-Speed

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



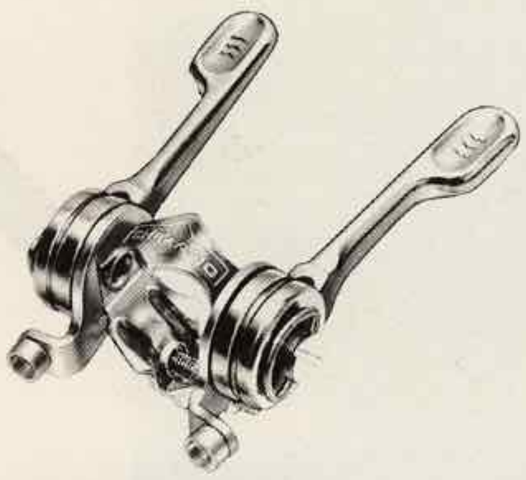
S-Super Shifter
Model No.: L 253
For 5-Speed

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

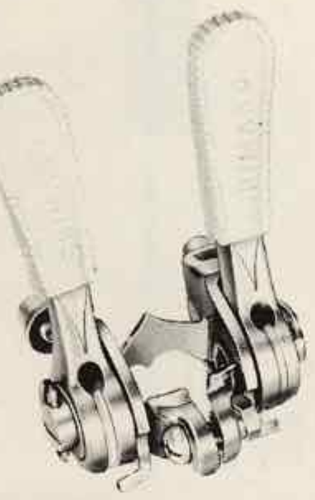
W-Lever
Model No.: L 214
For 10-Speed



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

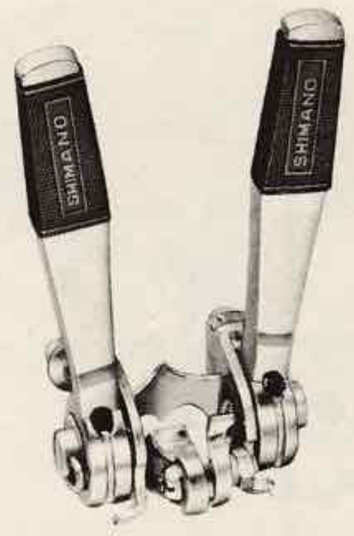


S-Long

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

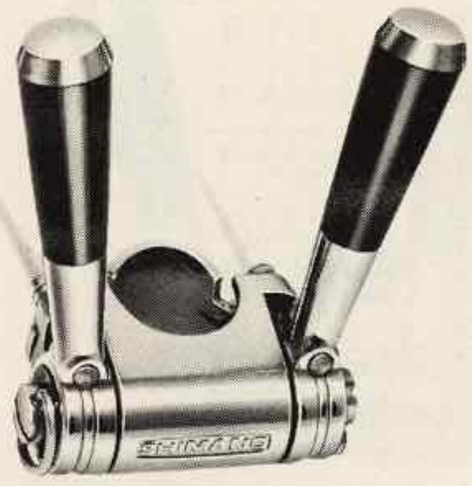


S-Round Stem

Model No.: L 905
For 5-Speed

W-Round Stem

Model No.: L 906
For 10-Speed

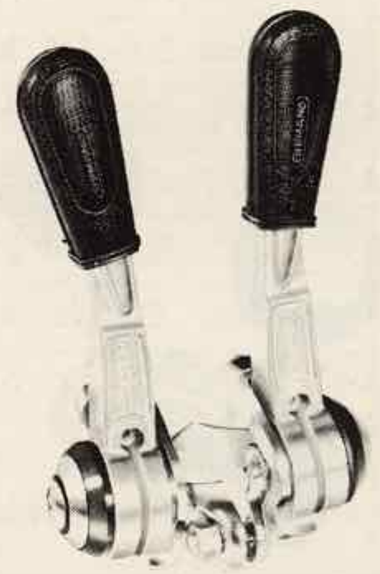


S-Short Stem (DX)

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

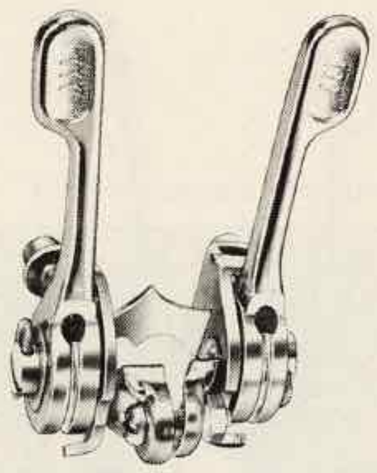


S-Finger Tip

Model No.: L 265
For 5-Speed

W-Finger Tip

Model No.: L 266
For 10-Speed

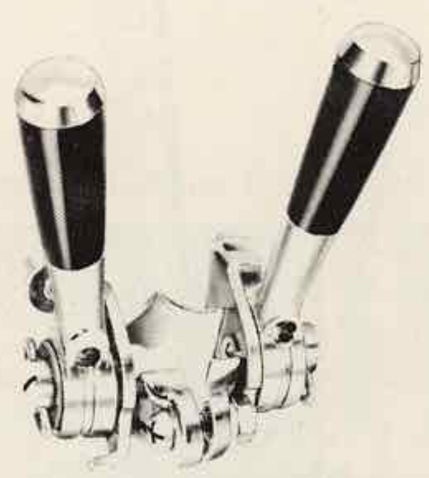


S-Lever

Model No.: L 215
For 5-Speed

W-Lever

Model No.: L 216
For 10-Speed



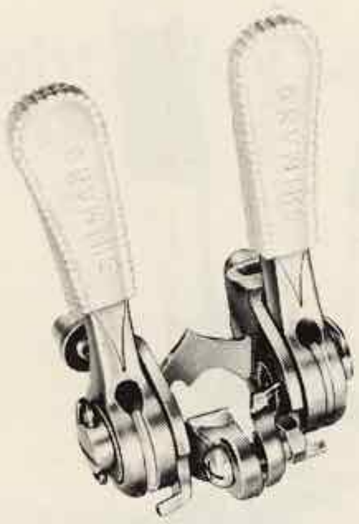
S-Short Lever

Model No.: L 235
For 5-Speed

W-Short Lever

Model No.: L 236
For 10-Speed

Handle Stem (0.833″)

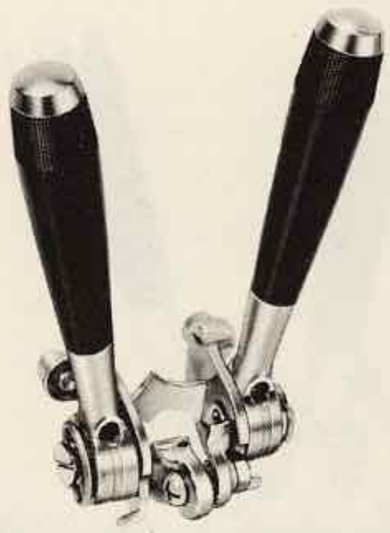


S-Alumi

Model No.: L 227
For 5-Speed

W-Alumi

Model No.: L 228
For 10-Speed

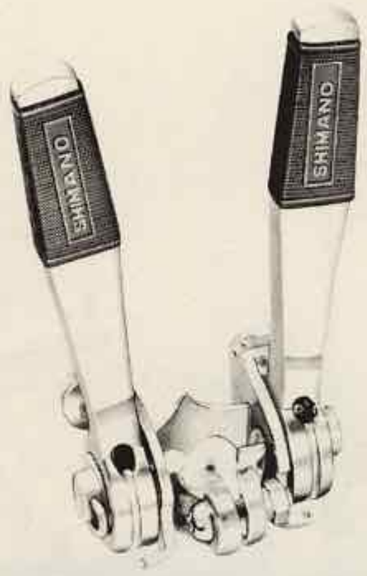


S-Long

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

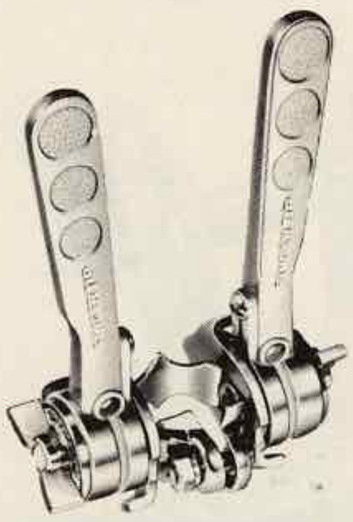


S-Super Shifter

Model No.: L 257
For 5-Speed

W-Super Shifter

Model No.: L 258
For 10-Speed

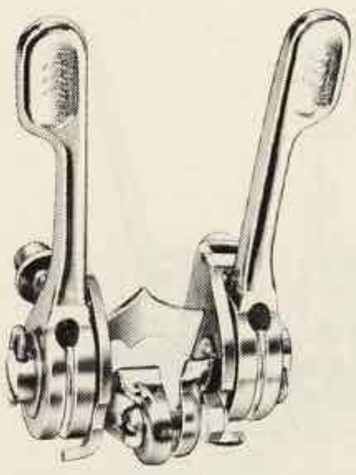


S-Finger Tip

Model No.: L 267
For 5-Speed

W-Finger Tip

Model No.: L 268
For 10-Speed

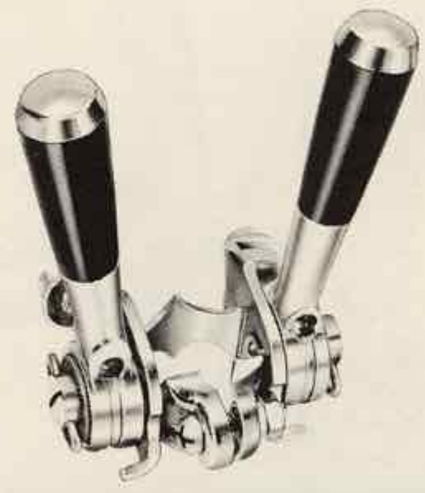


S-Lever

Model No.: L 217
For 5-Speed

W-Lever

Model No.: L 218
For 10-Speed



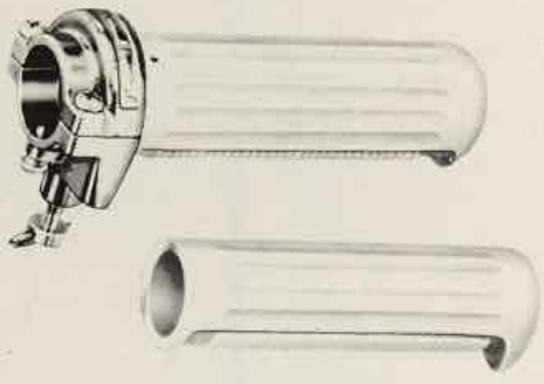
S-Short Lever

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.






JAPAN

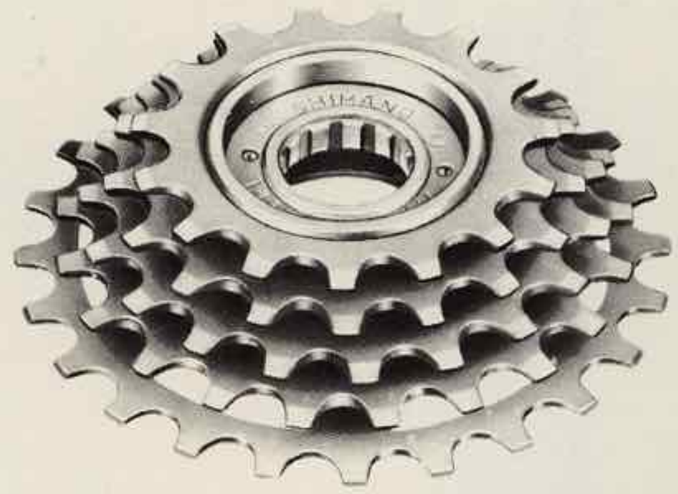
Single Freewheel

(From 16 to 24 teeth)

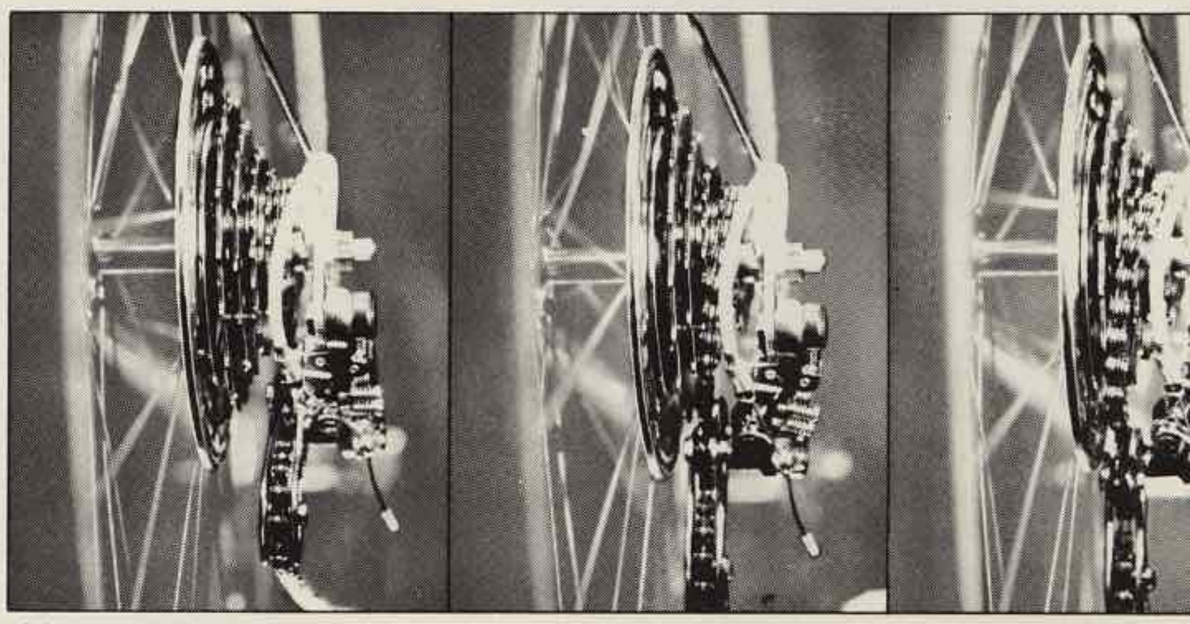


Model No.	Types
F 916	1/2″×1/8″×16 teeth
F 918	1/2″×1/8″×18 teeth
F 919	1/2″×1/8″×19 teeth
F 920	1/2″×1/8″×20 teeth
F 921	1/2″×1/8″×21 teeth
F 922	1/2″×1/8″×22 teeth
F 924	1/2″×1/8″×24 teeth

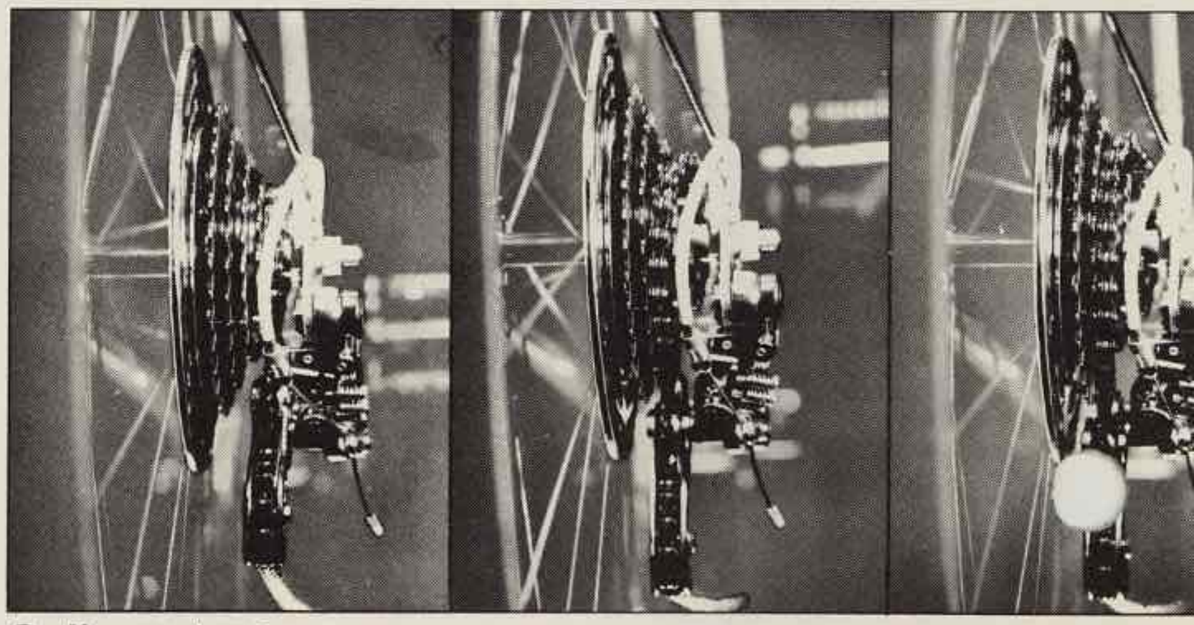
Multiple Freewheel



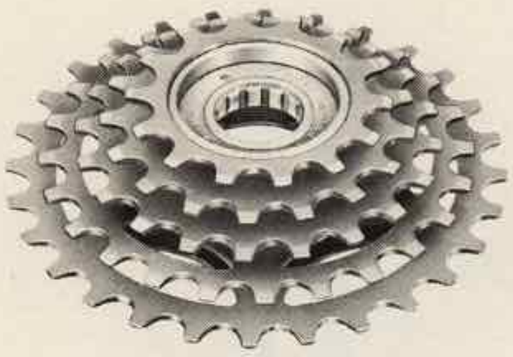
A new wide range of freewheels has just been introduced by Shimano. This rear gear cluster has a broad range of gears, starting with 14, and going on up to 17—22—28 and 34 teeth gears, for example. They are available in Regular Type, with Top Protector, with Seal, and Alternate Type. They can easily 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".

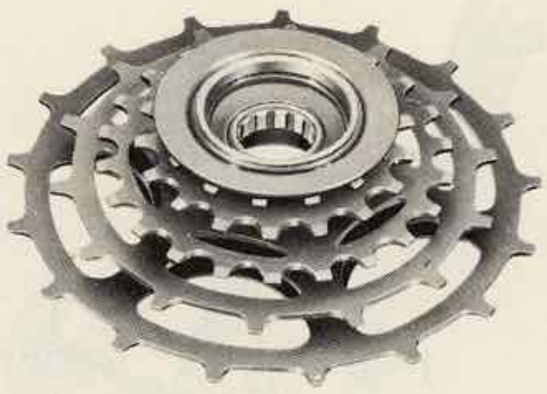


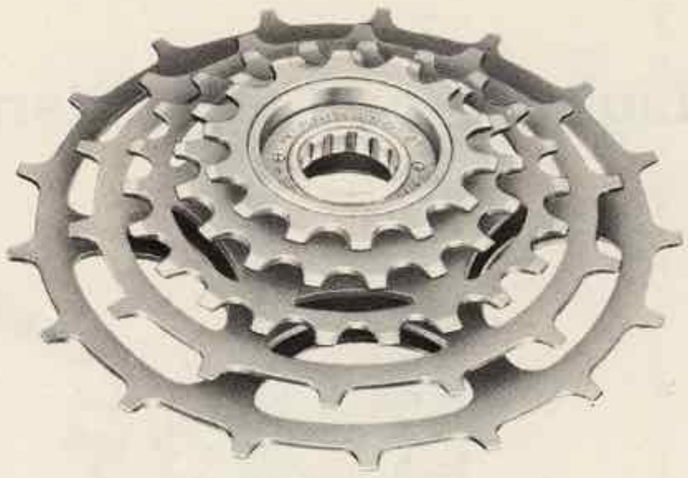
Alternate type



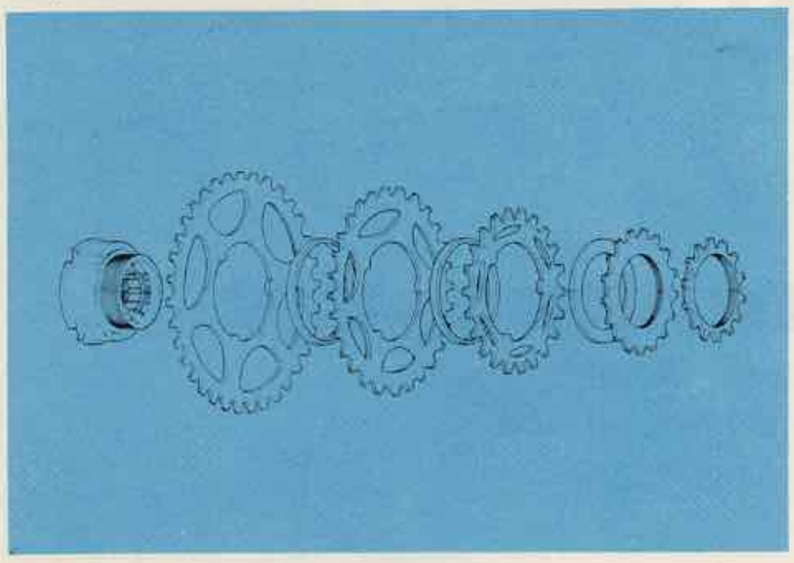
Ordinary type







Exploded view

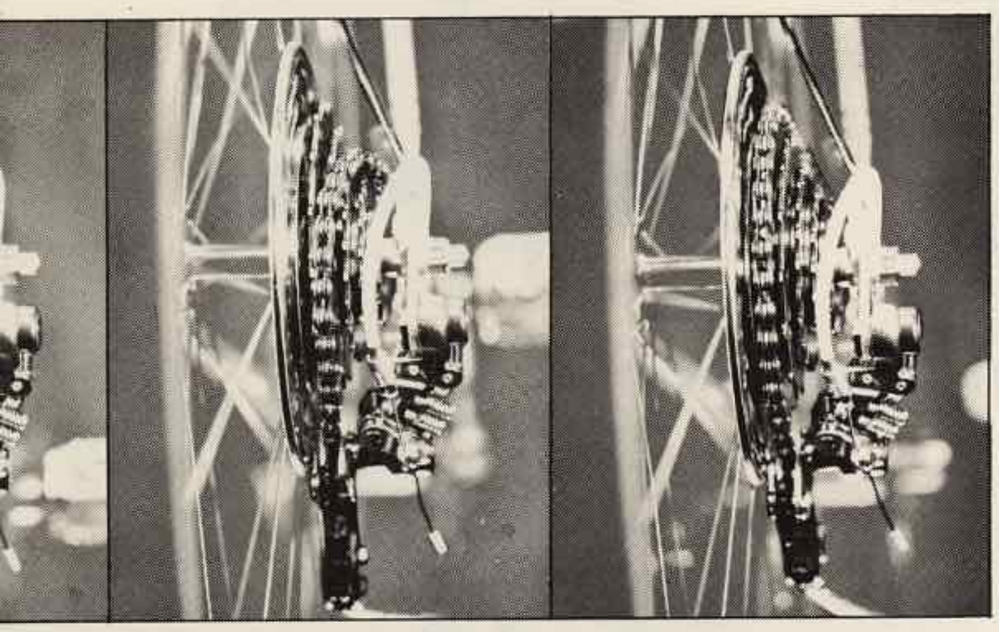


5-Speed Multiple Freewheel

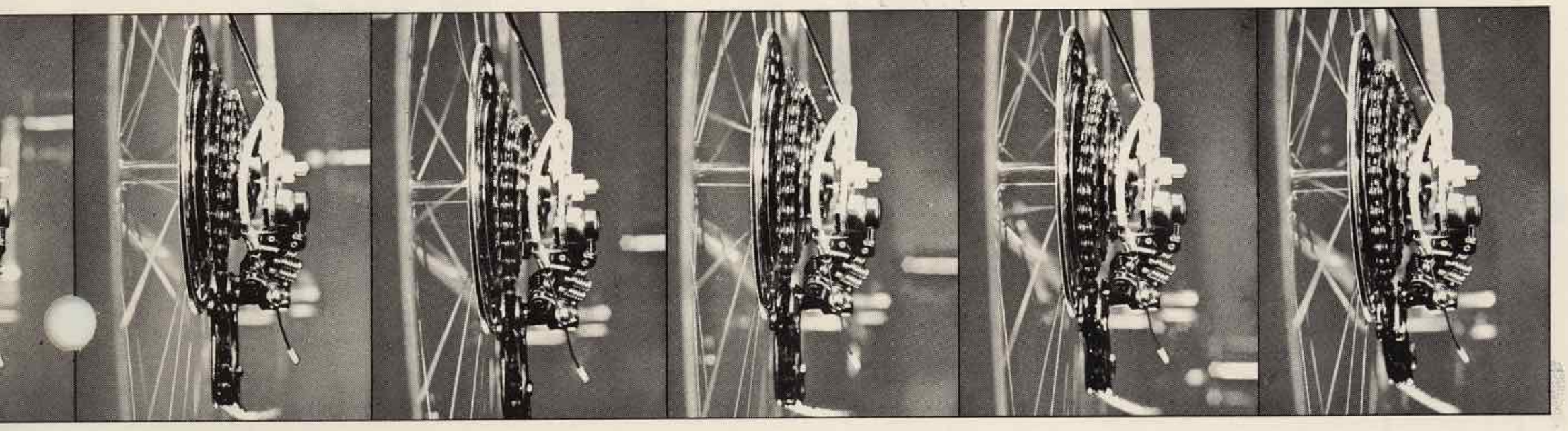
Model No.	Types
F 200	1/2″×3/32″ 15, 17, 19, 21, 24 teeth
F 300	1/2″×3/32″ 14, 17, 20, 24, 28 teeth
F 400	1/2″×3/32″ 14, 17, 22, 27, 32 teeth
F 410	1/2″×3/32″ 14, 17, 21, 26A 32A teeth
F 412 *	1/2″×3/32″ 14, 17, 21, 26A 32A teeth
F 500	1/2″×3/32″ 14, 17, 22, 28, 34 teeth
F 510	1/2″×3/32″ 14, 17, 22,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

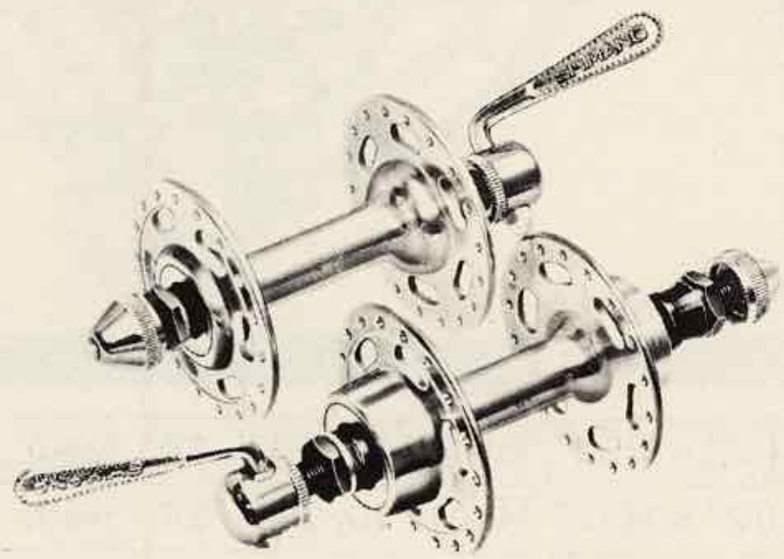


Performance comparisons of Alternate and Other Freewheel Types.



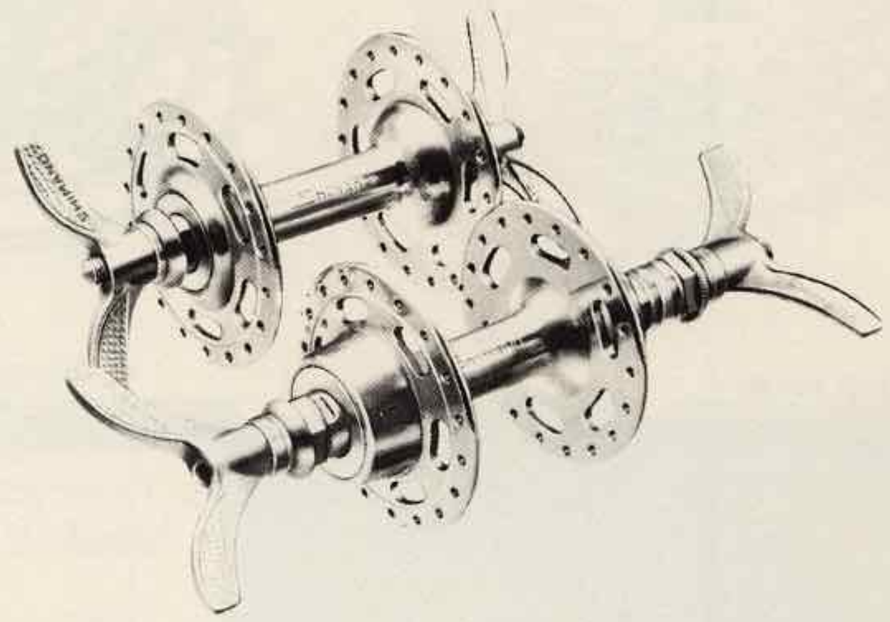
Hubs

Light Alloy Large Flange Hub



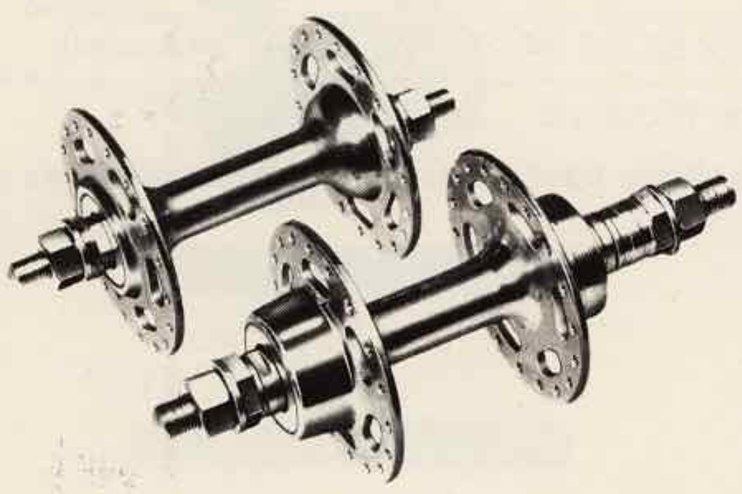
Quick Release Type

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



Solid Axle Type with Wing Nut

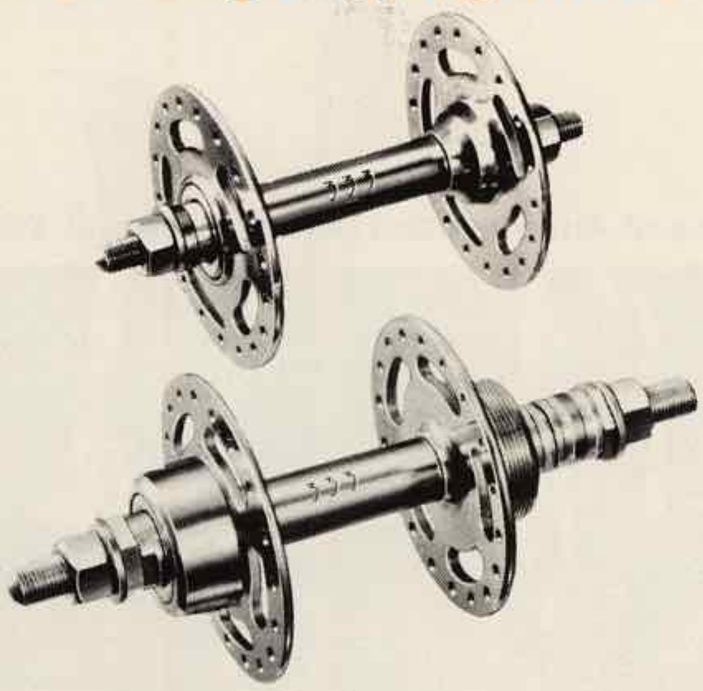
Front Model No.: H 720
Rear Model No.: H 820



Solid Axle Type

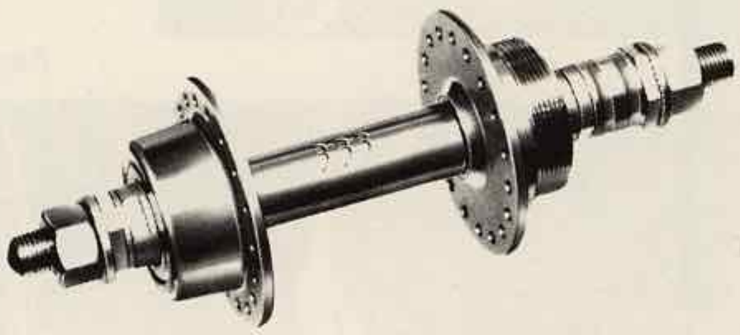
Front Model No.: H 700
Rear Model No.: H 800

Steel Large Flange Hub



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

Steel Rear Hub



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

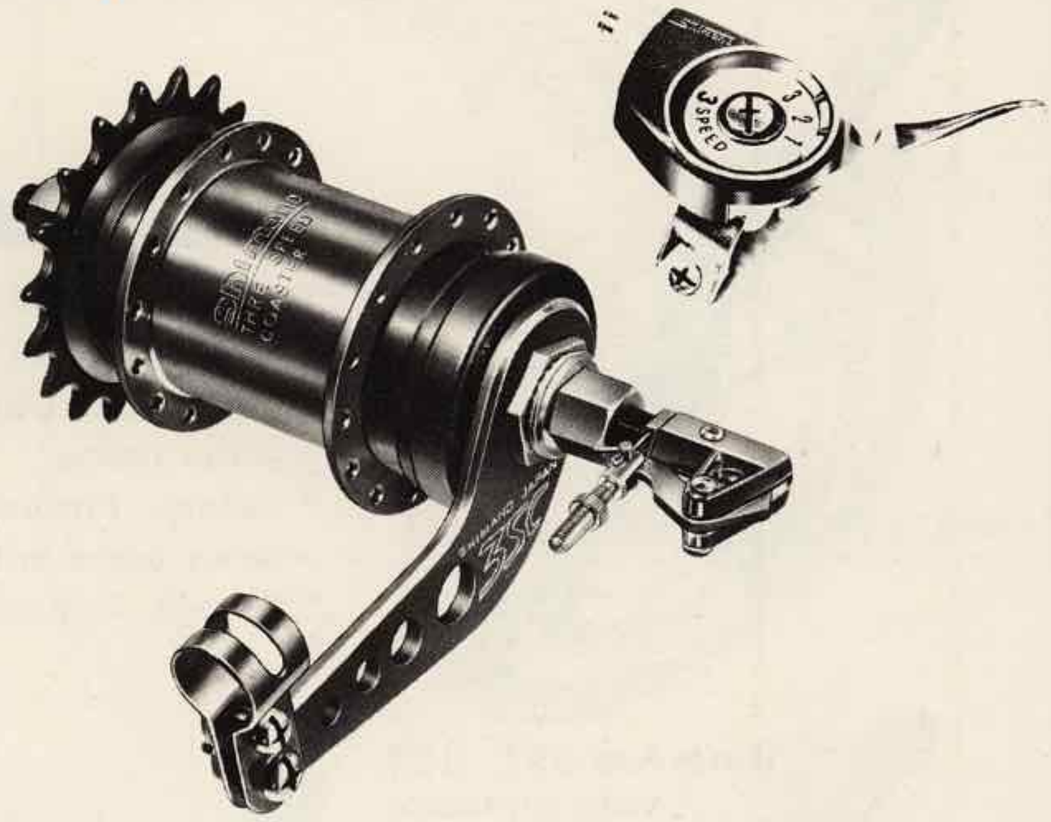
Speed Gear Hubs

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)

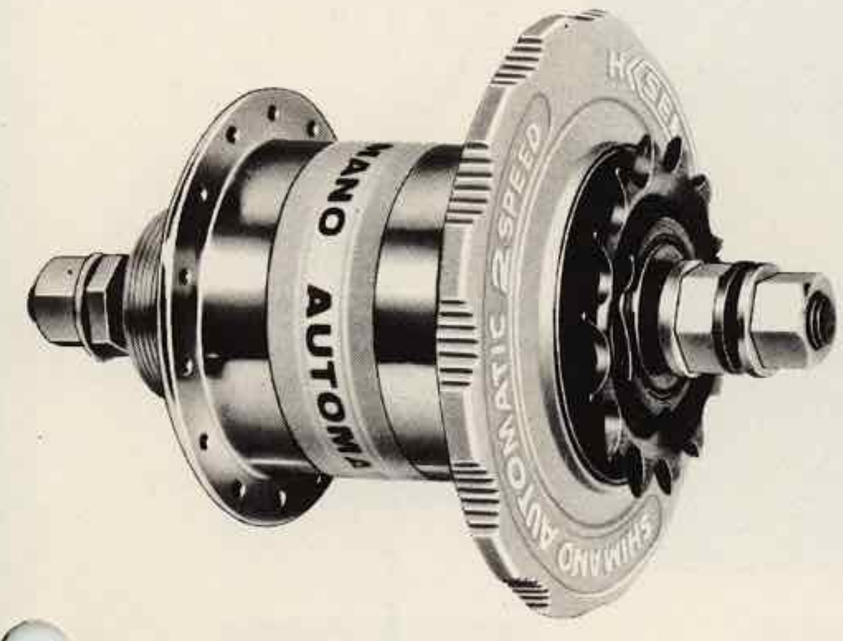
3-Speed Hub with coaster Brake



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

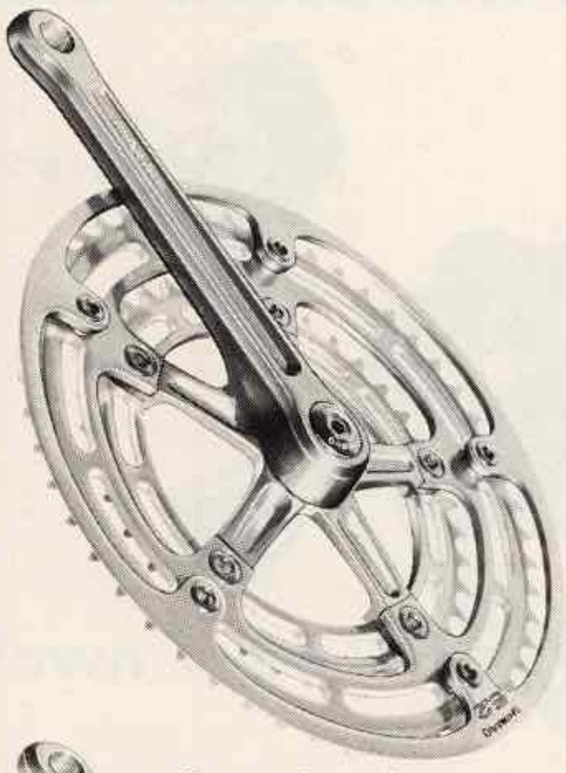


FEATURES

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.



Dura-Ace 39T, 52T
with protector



Dura-Ace 45T, 54T

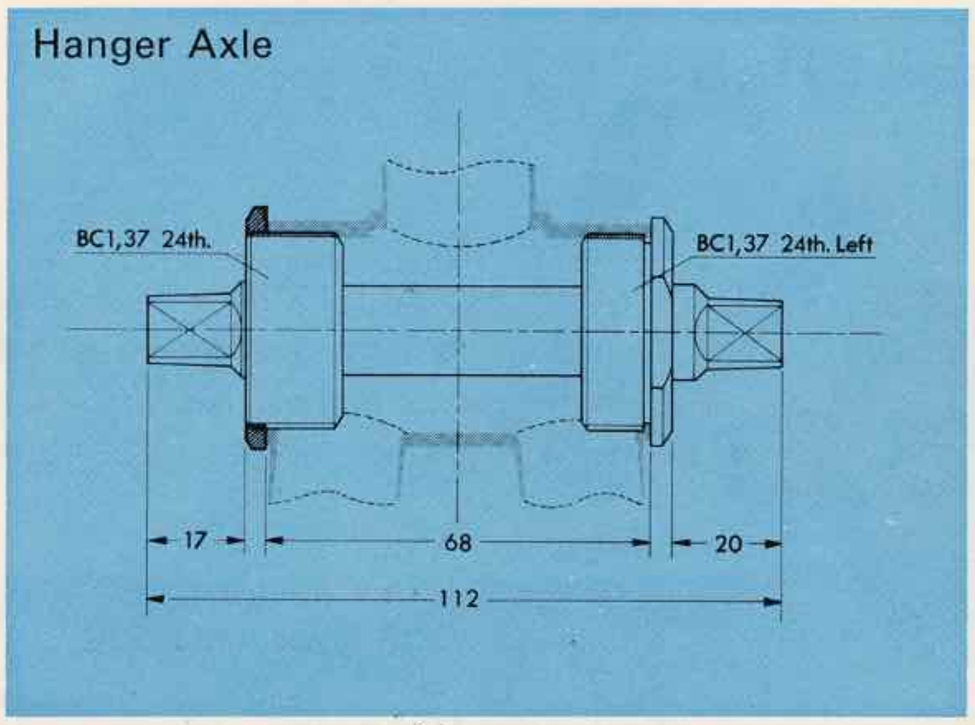
Features

* 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

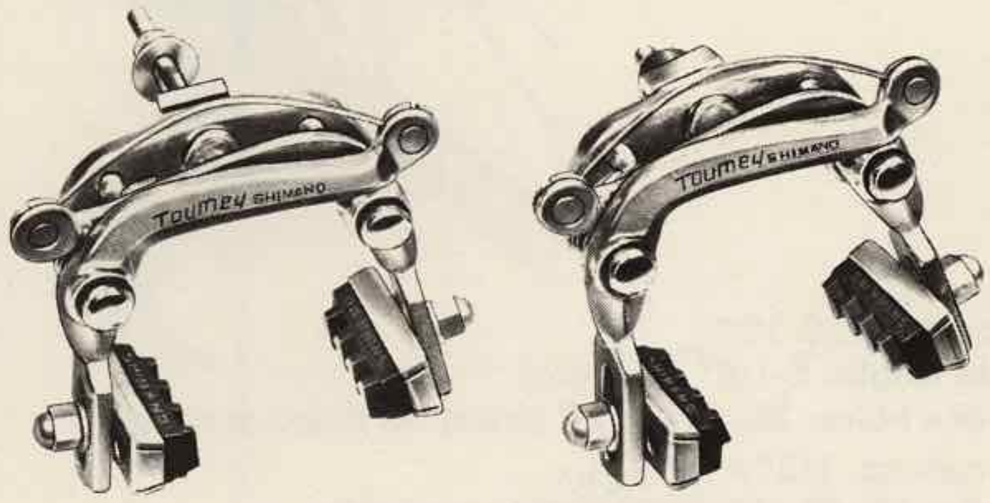
* No. of teeth: 39—52T, with chain guard. 45—54T.
* Chain ring tooth thickness: 3/32″
* Crank length: 6-1/2″ (165mm), 6-3/4″ (170mm)
* Hanger width: 68mm

Hanger Axle



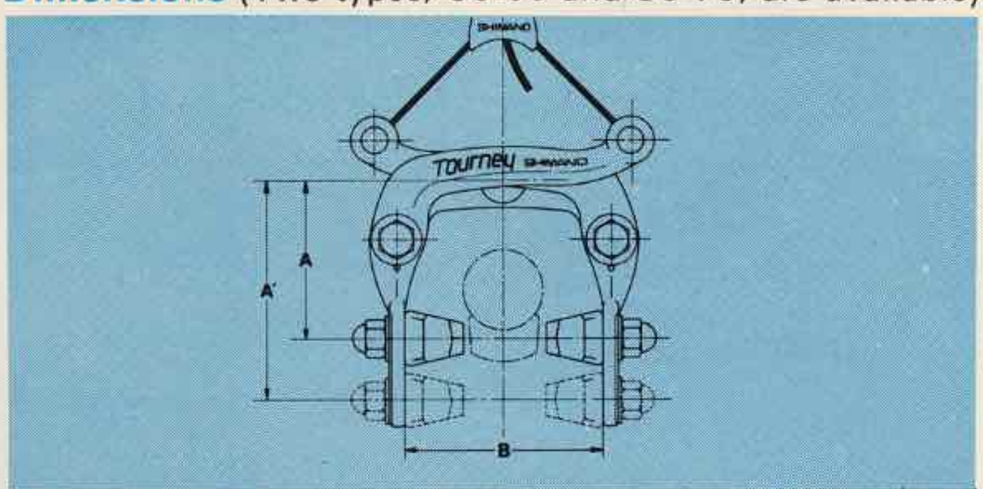
Brakes

Caliper Brake

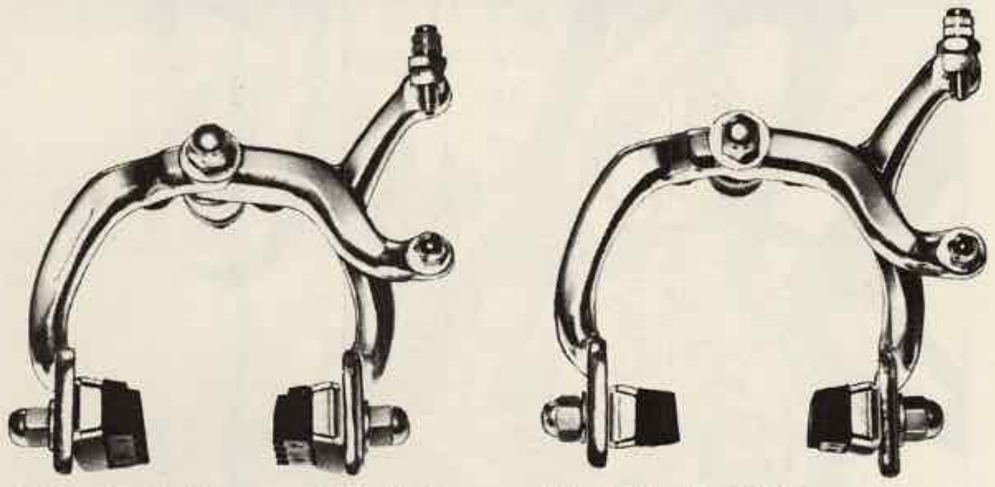


Center Pull Type CC-65 type Model.: B-110
CC-75 type Model.: B-120

Dimensions (Two types, CC-65 and CC-75, are available)

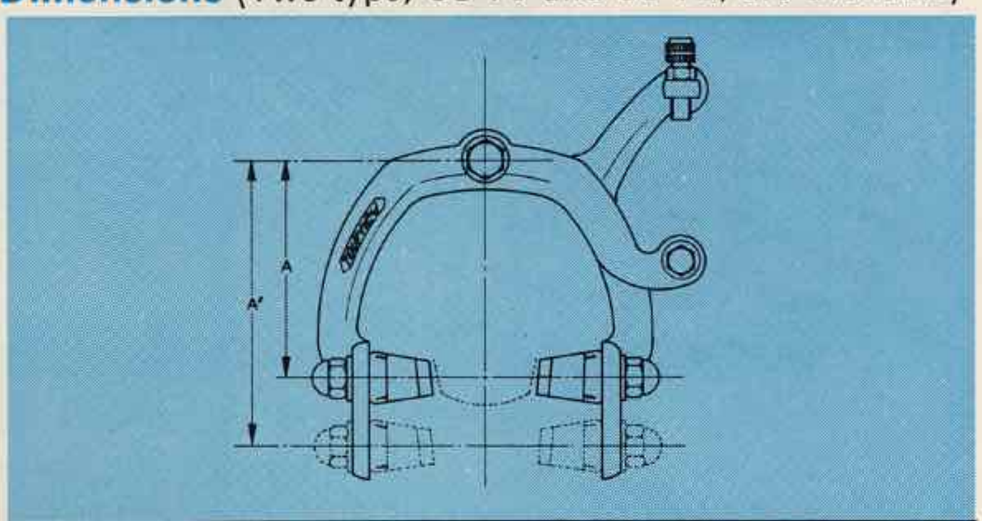


Type	Model No.	A—A′	B	Use
CC-65	B-110	47mm(1-7/8″)—65mm(2-1/2″)	59mm(2-5/16″)	27″
CC-75	B-120	57mm(2-1/4″)—75mm(3″)	65mm(2-1/2″)	26″



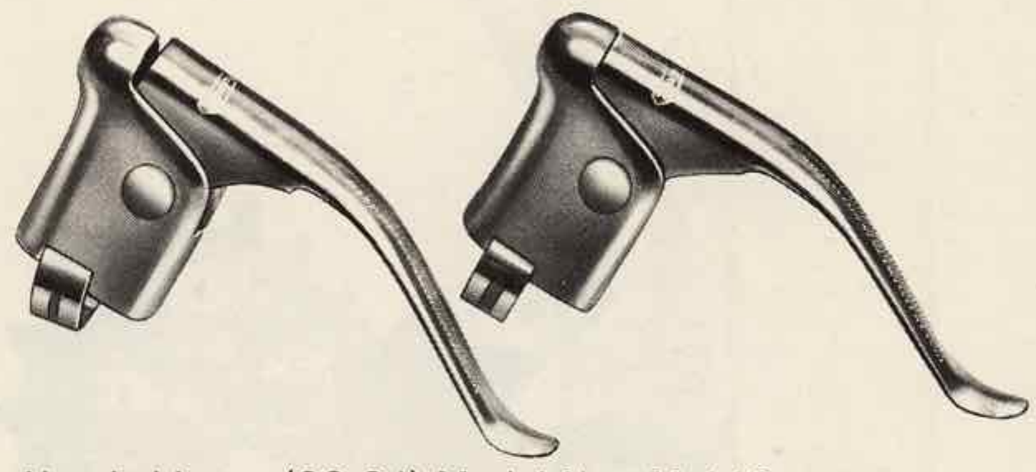
Side Pull Type CS-79 type Model.: B-220
CS-72 type Model.: B-230

Dimensions (Two type, CS-79 and CS-72, are available)

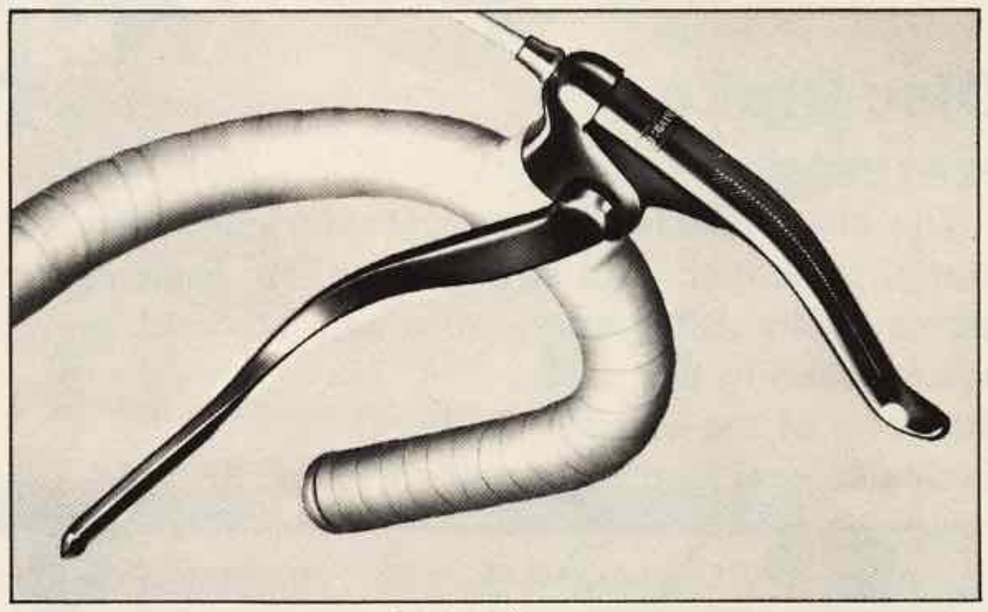


Type	Model No.	A—A′
CS-79	B-220	61mm(2.4″)—79mm(3.1″)
CS-72	B-230	54mm(2.1″)—72mm(2.8″)

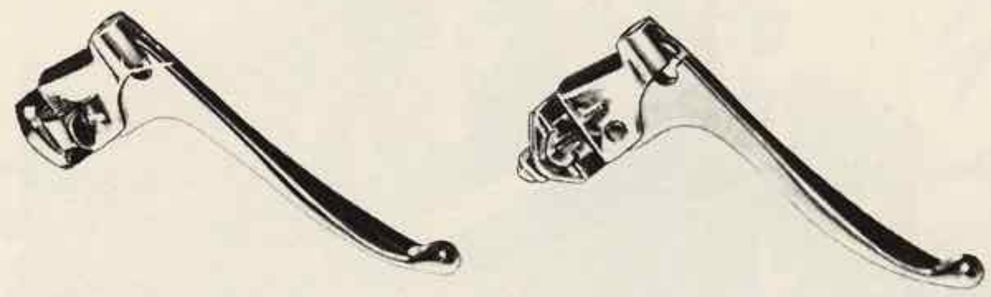
Caliper Brake Lever



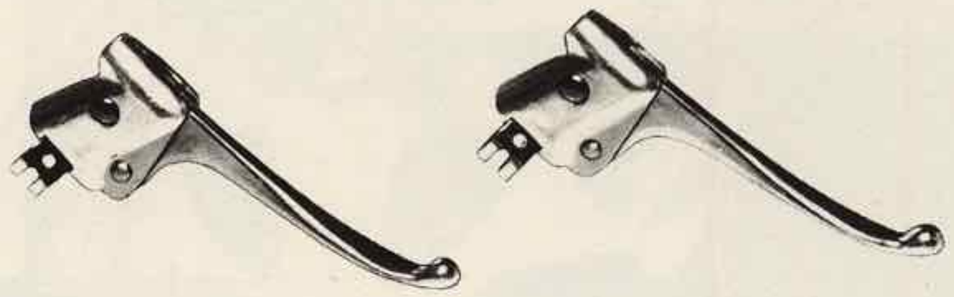
Hooded Lever (22.2ϕ) Model No.: M-110
Hooded Lever (23.8ϕ) Model No.: M-120



Dual Extention Lever (22.2ø) Model No.: M-210
Dual Extention Lever (23.8ø) Model No.: M-220



Popular Lever (22.2ø) Model No.: M-410



Tourist Lever (22.2ø) Model No.: M-310

Brakes

Coaster Brake

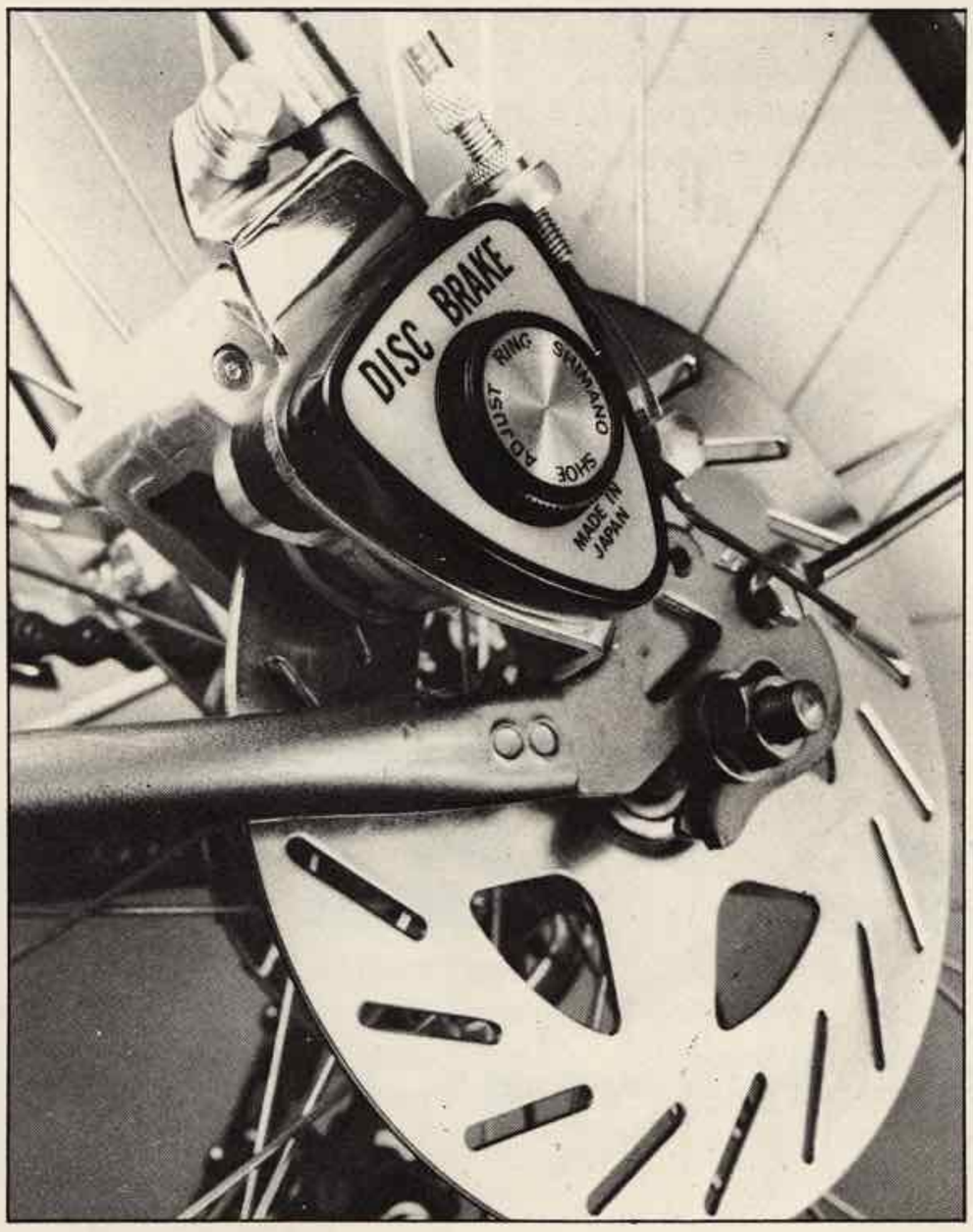


Model No.: C 100
Axle length: 6-1/2″ (163mm)
Spoke holes: 20 holes, 28 holes, 36 holes available
Sprockets: 1/2″×1/8″
Teeth: 14, 15, 16, 18, 19, 20, available
Weight: 30.3 oz (860g)

Disc Brake

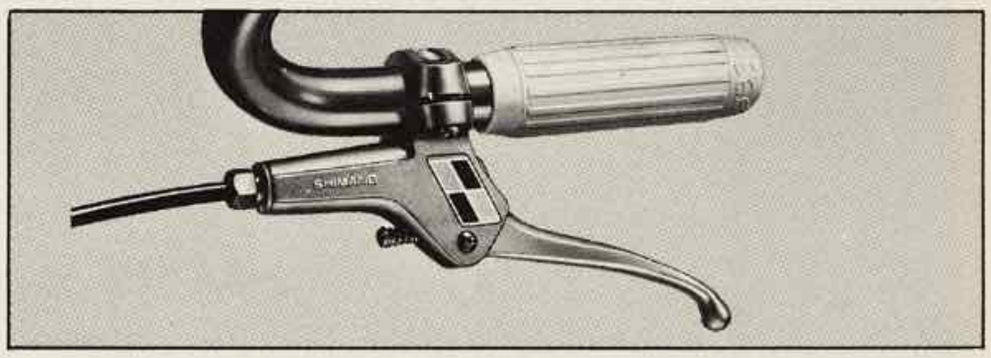
FEATURES

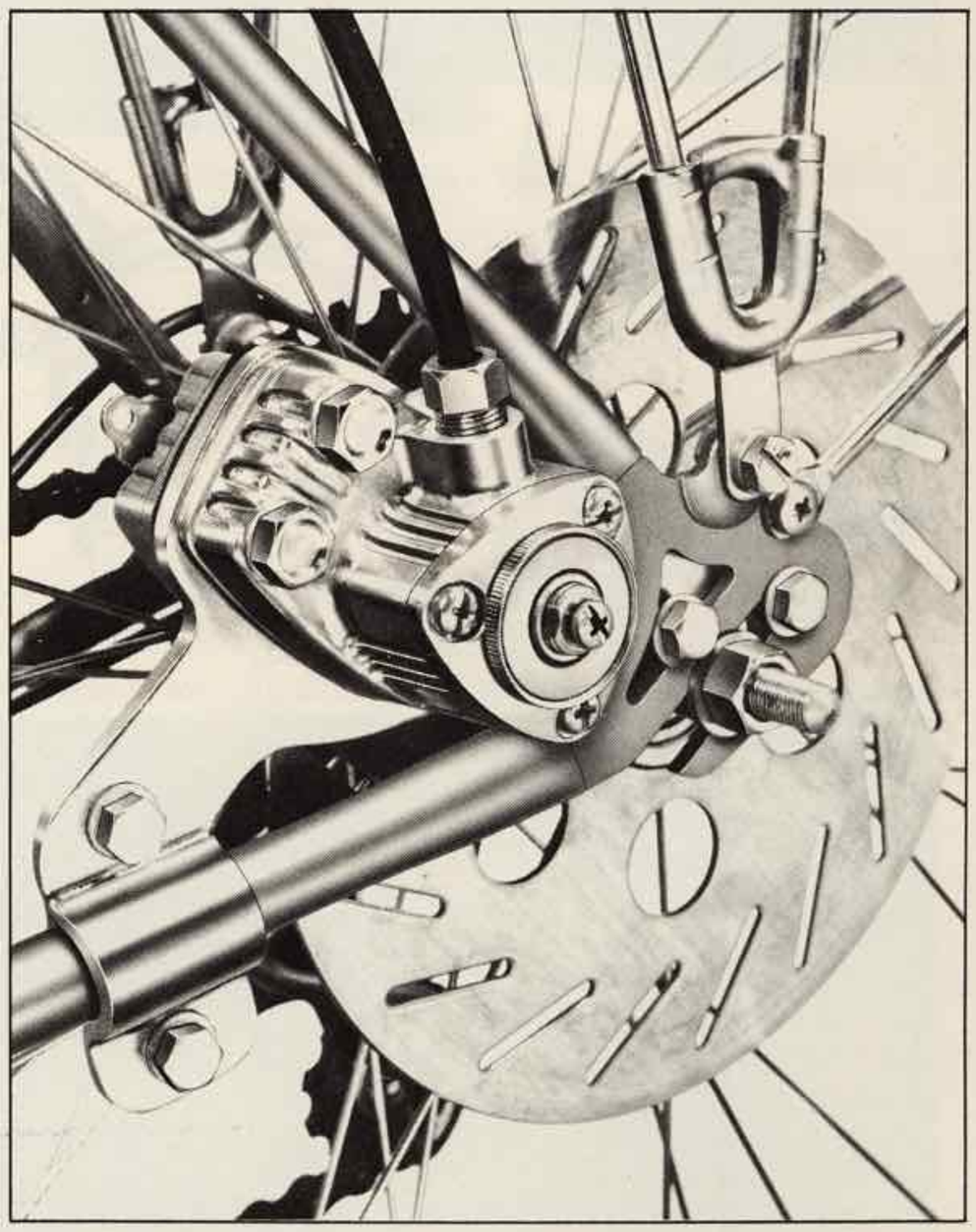
The disc brake is made up of two frictional pads that grip the disc with strong force, for extermely high stability. Simple structure with smooth, sure action, even in the rain.
Diameter of the disc: 7″ (178mm)
Exclusive rear hub for derailleur gear: 36 holes.



Model No.: B 700

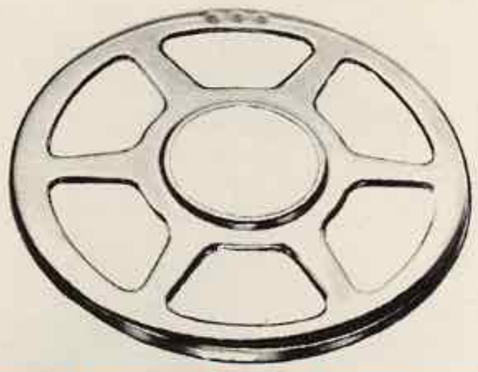
Oil Disc Brake





Model No.: B900

Spoke Protectors



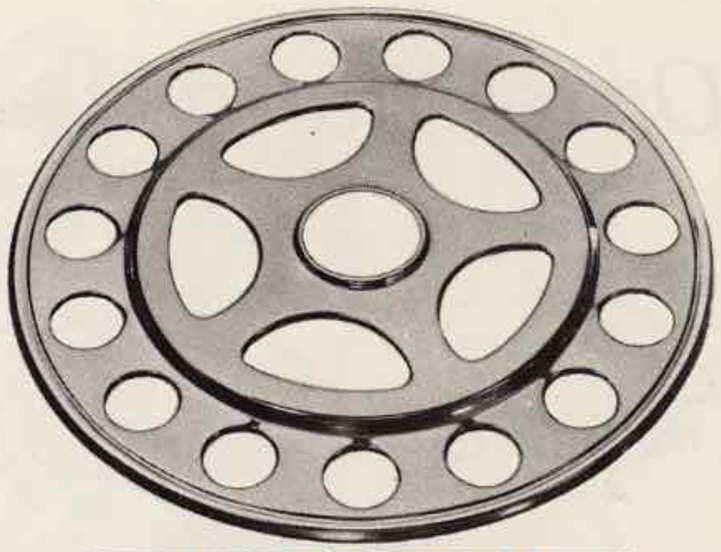
Model No.: P 100

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



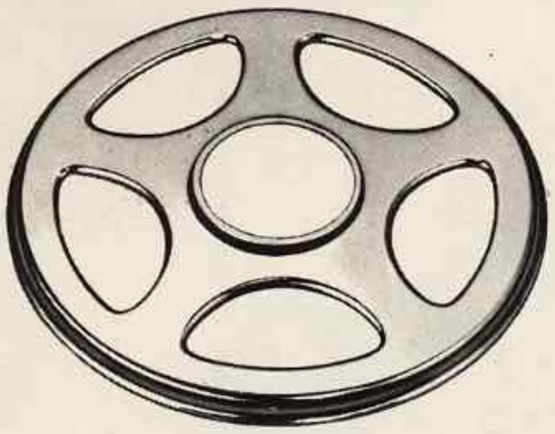
Model No.: P 310

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



Model No.: P320

Diameter: 5″ (123mm)
Use range: Low gears up to 28 teeth



Model No.: P420

Diameter: 5-1/2″ (145mm)
Use range: Low gears up to 32 & 34 teeth

Spokes & Nipples





Special Tools



Ⓐ Plier for 3-speed hub snap ring removal.
(Model No.: X 301)

Ⓑ Spanner for cone, lock nut adjustment of 3-Speed hub, Trimatic and Coaster Brake.
(Model No.: X 302)

Ⓒ Automatic 5-stage freewheel removal tool.
(Model No.: X 402)

Ⓓ Boss type multi-stage freewheel removal tool.
(Model No.: X 401)

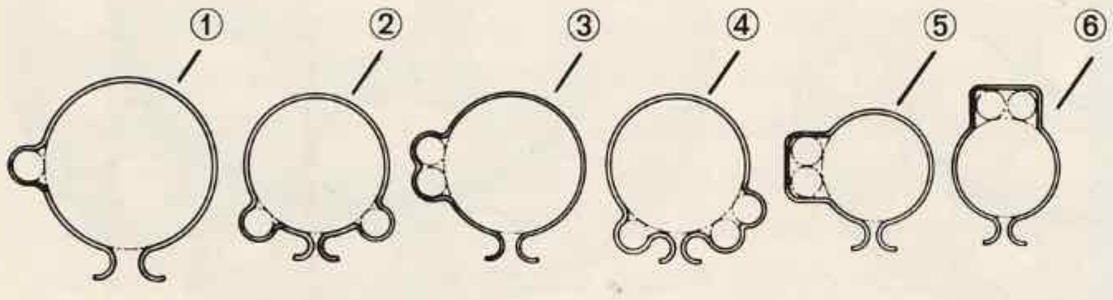
Ⓔ Tool for removing ball cup (Model No.: X 303)
3-Speed Hub.
3-Speed Hub with Coaster Brake.

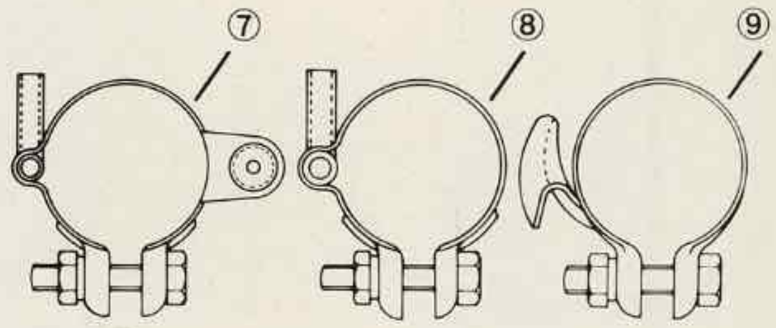
Ⓕ Hexagon wrench keys. (Model No.: X 101) (5mm)
(Model No.: X 102) (6mm)

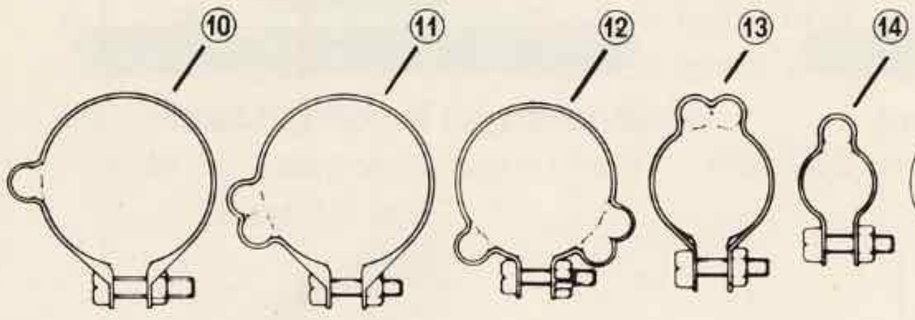
Ⓖ Cotterless crank extractor (Model No.: X 701)

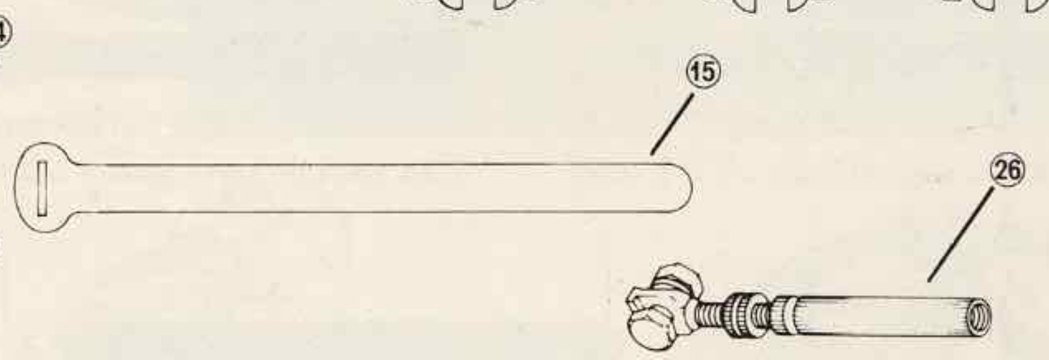
Ⓗ Chainwheel screw peg spanner
(Model No.: X 702)

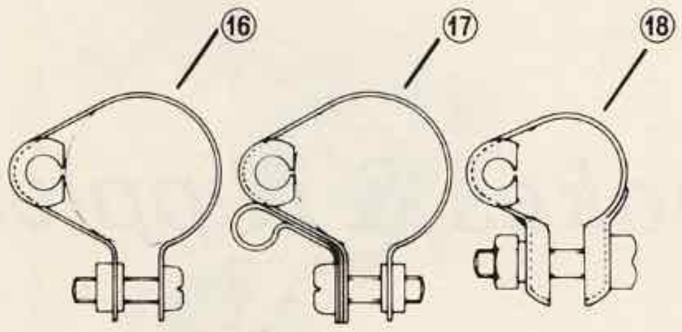
Outer Band (Cable Clip)

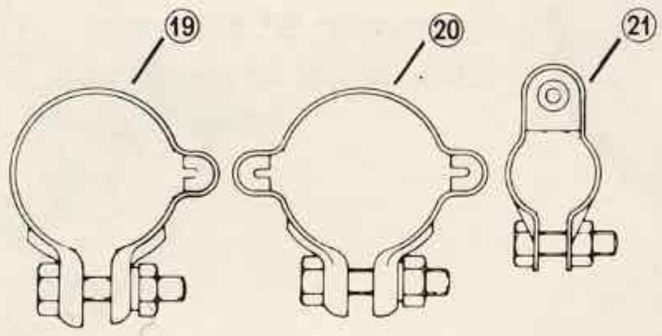


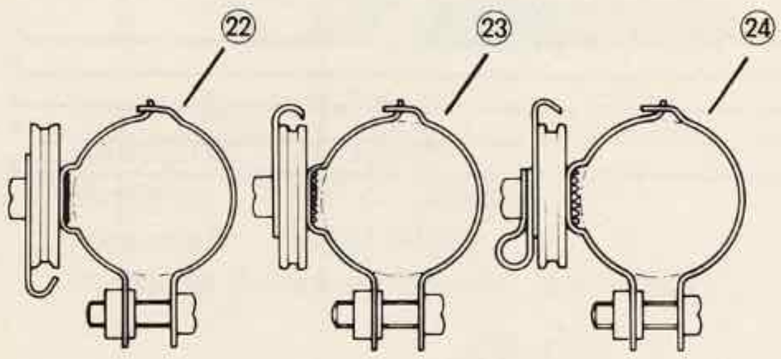


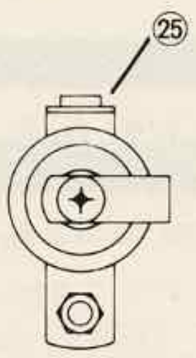






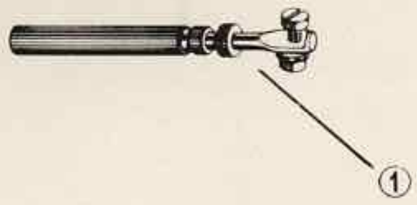


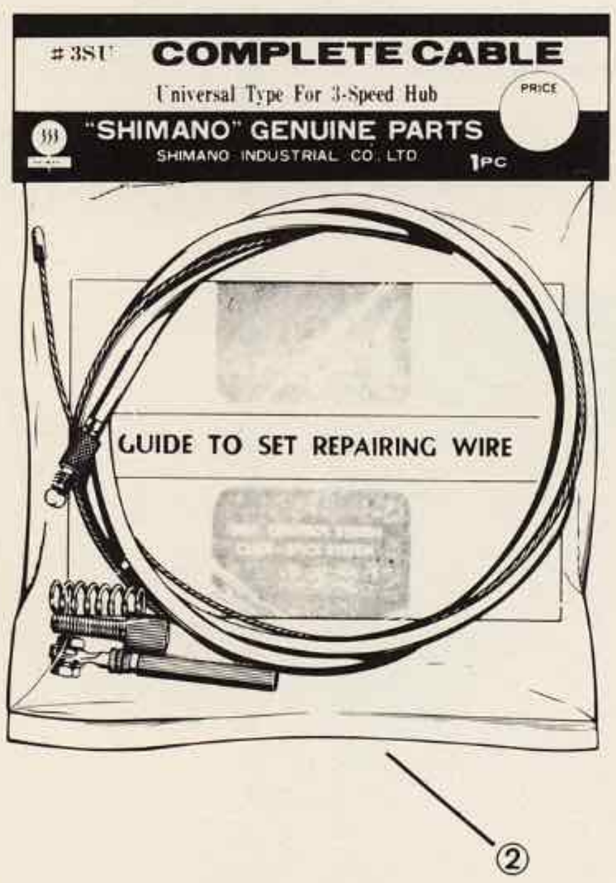




ITEM NO.	CODE NO.	DESCRIPTION inch (mm)
1	643 1000	Outer Clip A-type 1⅛ (28.6)
	643 0900	Outer Clip A-type 1 (25.4)
	643 2200	Outer Clip A-type ⅞ (22.2)
	643 8000	Outer Clip A-type ¾ (19.0)
	643 0700	Outer Clip A-type ⅝ (15.9)
	643 0800	Outer Clip A-type ½ (12.7)
2	643 0901	Outer Clip B-type 1 (25.4)
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
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

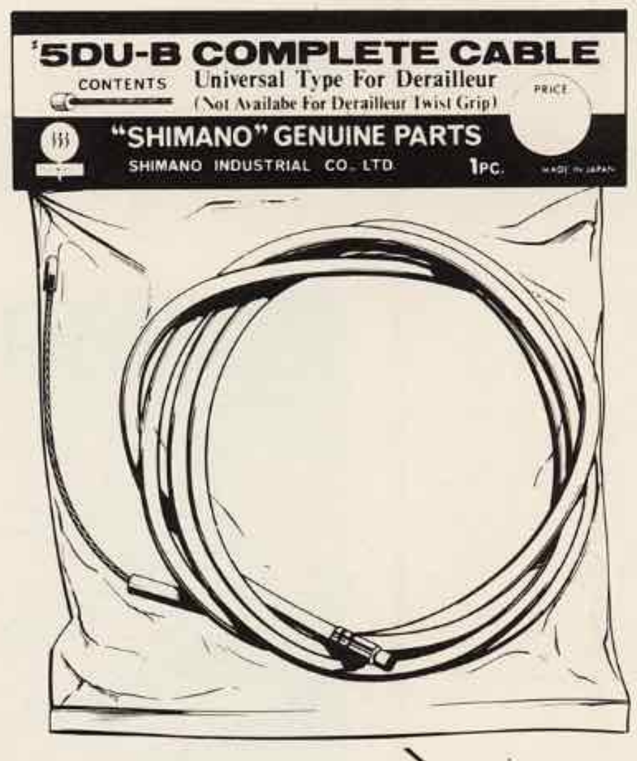




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Universal joint Model No.: W 910
3 SU Model No.: W 911
5 DU-A Model No.: W 921
5 DU-B Model No.: W 922

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

MEMO



SHIMANO

SHIMANO AMERICAN CORPORATION
1133 Avenue of the Americas, New York,
N.Y. 10036 Tel. (212) 586-2350

SHIMANO (EUROPA) GmbH.
4, Düsseldorf Hüttenstrasse 5,
West Germany.

SHIMANO INDUSTRIAL CO.,LTD.
3-77, Oimatsucho, Sakai, Osaka, Japan
Tel. 0722-45-0333

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