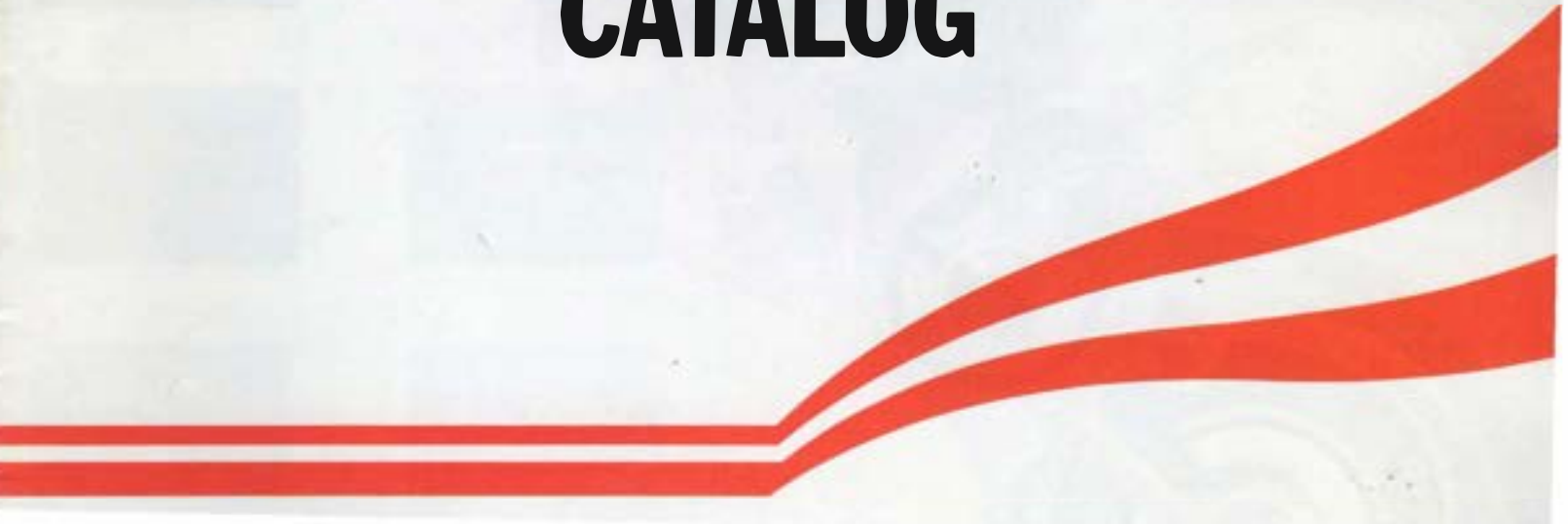


Edition  
**No.62**

1985



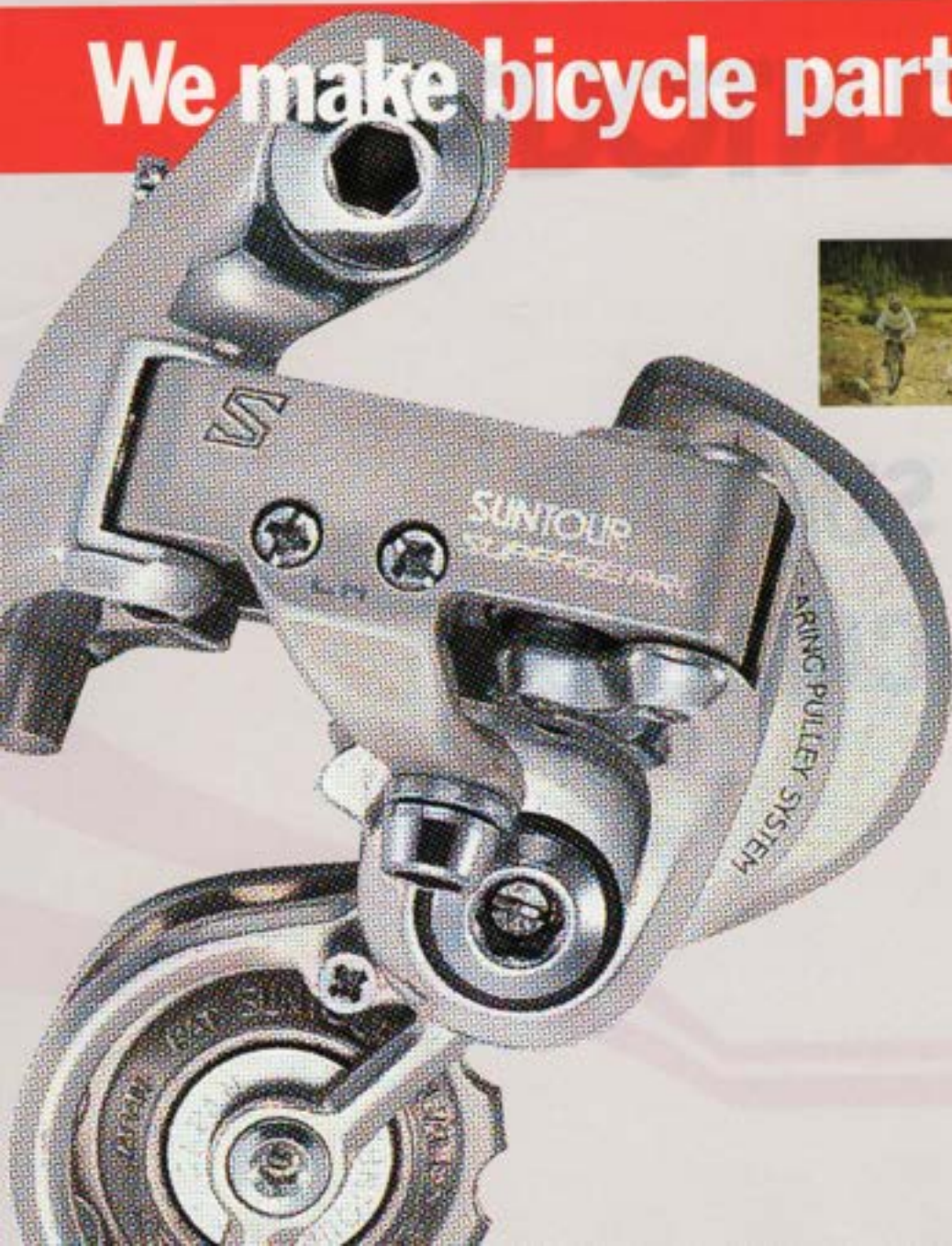
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**REAR DERAILLEUR**  
Model: RD-5200

**Specifications**

**Material:** Body: Cold forged aluminum alloy, Anodized finish

Pulley: Hard polyester resin

Largest rear sprocket: 23T (With Superbe dropout)

Total gear capacity: 26T (Maximum chaining differential: 16T)

**Features:** Slant parallelogram, Top normal Double spoke guard, Non-bending cable feed

**Weight:** 6.4 ozs. (181 gms.)

**Other:** Largest rear sprocket of 25T can be used with Regular size 6 speed cog or Ultra size 7 speed cog.



**FRONT DERAILLEUR**  
Model: FD-2000

**Specifications**

**Material:** Body: Cold forged aluminum alloy, Anodized finish  
Cage: Heat treated & chromium plated steel

Clamp band: Stainless steel

Gear capacity: 14T

**Features:** Parallelogram, Low normal Sheathless cable system

Clamp diameter: 1-1/8" (28.6 mm)

**Weight:** 2.9 ozs. (82 gms.)



**FRONT DERAILLEUR**  
Model: FD-2060

**Specifications**

**Material:** Body: Cold forged aluminum alloy, Anodized finish  
Cage: Heat treated & chromium plated steel

Gear capacity: 14T

**Features:** Parallelogram, Low normal Braze-on type

Sheathless cable system

Tube diameter: 1-1/8" (28.6 mm)

**Weight:** 3.3 ozs. (93 gms.) with braze-on boss



**SHIFT LEVER**  
Model: LD-3200

**Specifications**

**Material:** Lever: Cold forged aluminum alloy, Anodized finish  
Clamp: Stainless steel

**Type:** Universal/Double lever

Clamp diameter: 1-1/8" (28.6 mm)

Mounting position: Down tube

**Weight:** 2.3 ozs. (64 gms.)



**SHIFT LEVER**  
Model: LD-3250

**Specifications**

**Material:** Lever: Cold forged aluminum alloy, Anodized finish  
Braze-on boss: Steel

**Type:** Universal/Double lever

Braze-on type

Mounting position: Down tube

**Weight:** 2.3 ozs. (64 gms.)



**ROAD HUB**  
Model: BH-1500

**Specifications**

**Material:** Body: Cold forged aluminum alloy, Anodized finish

Axle: Cr-Mo steel

**Type:** Small flange/Quick release

Lock nut-to-lock nut dimension: Front 100 mm  
Rear 120, 126 mm

Spoke drilling: 28H, 32H, 36H

Thread: BC 1.37" x 24T (English)

**Features:** Sealed bearing

Dished & Beveled flange (PAT. PED.)

Double sealed mechanism

**Weight:** 18.4 ozs. (520 gms.) Pair 100-126 mm



**SHIFT LEVER**  
Model: LD-4600

**Specifications**

**Material:** Lever: Cold forged aluminum alloy, Anodized finish  
Clamp: Steel

**Type:** Universal/Double lever

Clamp diameter: 1-1/8" (28.6 mm)

Mounting position: Top of down tube

**Weight:** 2.25 ozs. (64 gms.)



**SHIFT LEVER**  
Model: LD-4650

**Specifications**

**Material:** Lever: Cold forged aluminum alloy  
Braze-on boss: Steel

**Type:** Universal/Double lever

Braze-on type

Mounting position: Top of down tube

**Weight:** 1.8 ozs. (51 gms.)



**CALIPER BRAKE**

Model: CB-3500

(Calipers & Lever Set)

**Specifications**

Material: Cold forged aluminum alloy, Anodized finish

Type: Side-pull with eccentric quick release & tire guides

Shoe adjustment range: 39-49 mm (10 mm)

Weight: 11.5 ozs. (330 gms.) Pair

Other: Recessed mounting nut type is available.



**CALIPER BRAKE**

Model: CB-4000

(Calipers & Lever Set)

**Specifications**

Material: Cold forged aluminum alloy, Anodized finish

Type: Side-pull with eccentric quick release & tire guides

Shoe adjustment range: 47-57 mm (10 mm)

Weight: 12.2 ozs. (346 gms.) Pair

Other: Recessed mounting nut type is available.



**HEAD SET**

Model: HS-150

**Specifications**

Material: Body: Cold forged aluminum alloy, Anodized finish  
 Bearing race: Precision ground CR-Mo

Type: Road & Track type

Thread: 1" x 24T (English)

25" x 1T (French)

25.4" x 24T (Italian)

Steel ball diameter: 5/32"

Weight: 3.9 ozs. (110 gms.)



**ROAD CRANK SET**

Model: CW-5000 (Crank Set)

CW-5050 (Right & Left arms)

**Specifications**

Material: Crank: Cold forged aluminum alloy, Anodized finish

Chainrings: Aluminum alloy, Anodized finish

Fixing bolts, nuts & dustcaps: Steel

Type: Cotterless (Road Type)

Dished crank spider

Available chainrings: 42, 43, 44, 45, 46, 47

48, 49, 50, 51, 52, 53, 54

Crank length: 165 mm, 167.5 mm

170 mm, 172.5 mm, 175 mm

Thread: 9/16" x 20T (English)

Weight: 23.1 ozs. (657 gms.) 52-42T/170 mm



**BRAKE LEVER**

Model: CB-3200

**Specifications**

Material: Bracket: Die-cast aluminum alloy, Anodized finish

Lever: Aluminum alloy, Anodized finish

Clamp: Steel

Type: Hooded lever with rubber pad

Ergonomically designed lever shape

Clamp diameter: 23.8 mm, 24.0 mm

Weight: 8.2 ozs. (232 gms.) Pair/without cable



**BRAKE LEVER**

Model: CB-2200

**Specifications**

Material: Bracket: Die-cast aluminum alloy, Anodized finish

Lever: Aluminum alloy, Anodized finish

Clamp: Steel

Type: Hooded lever with rubber pad

Ergonomically designed lever hood

Clamp diameter: 23.8 mm, 24.0 mm

Weight: 7.9 ozs. (223 gms.) Pair/without cable



**ROAD PEDAL**

Model: PL-4000

**Specifications**

Material: Body: Aluminum alloy

Plate: Aluminum alloy, Hard anodized finish

Spindle: Cr-Mo with allen key fitting (6 mm)

Type: Road type

Plate width: 60 mm

Thread: 9/16" x 20T (English)

Features: Sealed bearing

Double sealed mechanism

Detachable plate

Weight: 10.2 ozs. (290 gms.) pair

Other: Interchangeable with Track type plate.



Black colored hood are available.

## SEAT POST

Model: SP-2100

### Specifications

Material: Body, Clamp: Cold forged aluminum alloy  
Anodized finish  
Clamp bolt & nuts: Cr-Mo steel  
Chrome plated

Length: 200 mm (7.8")  
250 mm (9.8")

Diameter: 25.0 mm, 26.4 mm  
26.6 mm, 26.8 mm  
27.0 mm, 27.2 mm

Saddle angle adjustment range: 22°  
Saddle rail diameter: 6.5-8 mm  
Weight: 8.4 ozs. (238 gms.)



## CHAIN Model: SP-6000

### Specifications

Material: Plate & Pin: High-carbon steel  
Dal-hard® finish

Surface finish: Gold/gold, Silver/silver

Size: 1/2" x 3/32" (Ultra Size)

Pin width: 7.3 mm

Weight: 12.4 ozs. (352 gms./116 links)

Note: Special chain tool (TA-330) must be used.



## DROPOUTS

Model: EF-160

### Specifications

Material: Forged steel

Type: Road type

Thickness: Front/6 mm Rear/7 mm

Axle diameter: Front/9 mm Rear/10 mm

Derailleur bracket drop: 27 mm

Weight: 6.4 ozs. (185 gms./)

With adjusting screw.



## TRACK CRANK SET

Model: CW-6000 (Crank Set)

CW-6050 (Right & Left arms)

### Specifications

Material: Crank: Cold forged aluminum alloy,  
Anodized finish  
Chainrings: Aluminum alloy,  
Anodized finish  
Fixing bolts, nuts & dustcaps: Steel

Type: Cotterless (Track Type)

Dished crank spider

Available chainrings: 44, 45, 46, 47, 48

49, 50, 51, 52, 53, 54

Crank length: 165 mm, 167.5 mm

170 mm, 172.5 mm, 175 mm

Thread: 9/16" x 20T (English)

Weight: 21 ozs. (595 gms.) 52T/170 mm



## TRACK PEDAL

Model: PL-2000

### Specifications

Material: Body: Aluminum alloy  
Plate: Aluminum alloy,  
Hard anodized finish  
Spindle: Cr-Mo with allen key (6 mm)

Type: Track type

Plate: Width: 60 mm

Thread: 9/16" x 20T (English)

Features: Sealed bearing  
Double sealed mechanism  
Detachable plate

Weight: 9.8 ozs. (278 gms.) Pair

Other: Interchangeable with Road type plate.



## TRACK HUB

Model: BH-1600

### Specifications

Material: Body: Cold forged aluminum alloy,  
Anodized finish  
Axle: Cr-Mo steel

Type: Large flange/Nut type

Lock nut-to-lock nut dimension: Front 100 mm

Rear 120 mm

Spoke drilling: 20H, 24H, 28H, 32H, 36H

Thread: BC 1.37" x 24T (English)

Features: Sealed bearing, Solid flange  
Double sealed mechanism  
Hollow axle

Weight: 19.2 ozs. (545 gms.) pair



## TRACK SPROCKET

Model: HC-100

### Specifications

Material: Cr-Mo steel

Chain: 1/2" x 1/8" or 1/2" x 3/32"

Thread: 1.37" x 24T

Weight: 12T/0.9 ozs. (26 gms.) 13T/1.1 ozs. (32 gms.) 14T/1.4 ozs. (41 gms.)

15T/1.7 ozs. (49 gms.) 16T/2.0 ozs. (57 gms.) 17T/2.4 ozs. (68 gms.)

# SUPERBE

## REAR DERAILLEUR Model: RD-5300

### Specifications

#### Material:

Body: Cold forged aluminum alloy.  
Anodized finish

Cage: Aluminum alloy

Largest rear sprocket: 25T (With superbe dropout)

Total gear capacity: 26T

(Maximum chainring differential 14T)

Features: Slant parallelogram, Top normal Double spoke guard, Non-bending cable feed

Weight: 6.0 ozs. (171 gms.)



### HEAD SET

Model: HS-100

Specifications

Material:

Body: Chromium plate steel  
Lock nut: Aluminum alloy

Type: Road type

Thread: 1" x 24T (English)

Weight: 6.1 ozs. (172 gms.)

Other: French & Italian size are available.



### FRONT DERAILLEUR

Model: FD-3000

Specifications

Material: Body: Aluminum alloy

Cage: Heat treated & Chromium plate steel

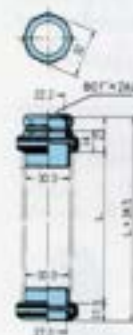
Clamp band: Stainless steel

Capacity: 18T

Features: Parallelogram, Low normal Sheathless cable system

Clamp diameter: 1-1/8" (28.6 mm)

Weight: 3.2 ozs. (90 gms.)



### HEAD SET

Model: HS-300

Specifications

Material:

Body: Chromium plate steel  
Lock nut: Aluminum alloy

Type: Track type

Thread: 1" x 24T (English)

Weight: 5.1 ozs. (145 gms.)

Other: French & Italian size are available.



### FRONT DERAILLEUR

Model: FD-3060

Specifications

Material: Body: Aluminum alloy

Cage: Heat treated & Chromium plate steel

Braze-on boss: Steel

Gear capacity: 18T

Features: Parallelogram, Low normal Sheathless cable system

Tube diameter: 1-1/8" (28.6 mm)

Weight: 3.5 ozs. (98 gms.)

/With braze-on boss



### DROPOUTS

Model: EP-130

Specifications

Material: steel

Type: Track type

Thickness: Front/6 mm, Rear/5 mm

Axle diameter: Front/9 mm, Rear/10 mm

Weight: 7.60 ozs. (215 gms./Pair)





**REAR DERAILLEUR-S**  
Model: RD-6000

**Specifications**  
Material: Body, Cage:  
Aluminum alloy  
Largest rear sprocket: 26T  
(With GS, GT & SD Dropout)  
Total gear capacity: 28T  
(Maximum chainring differential: 15T)  
Features: Slant parallelogram, Top normal  
Double spoke guard  
Non-Bending cable feed  
Weight: 7.4 ozs. (210 gms.)



**REAR DERAILLEUR-W**  
Model: RD-6200

**Specifications**  
Material: Body, Cage:  
Aluminum alloy  
Largest rear sprocket: 28T  
(With GS, GT & SD Dropout)  
Total gear capacity: 30T (Maximum chainring differential 15T)  
Features: Slant parallelogram, Top normal  
Double spoke guard,  
Non-bending cable feed  
Weight: 7.5 ozs. (214 gms.)



**REAR DERAILLEUR-GT**  
Model: RD-6800

**Specifications**  
Material: Body, Cage:  
Aluminum alloy  
Largest rear sprocket: 30T  
(With GS, GT & SD Dropout)  
Total gear capacity: 34T  
(Maximum chainring differential 18T)  
Features: Slant parallelogram, Top normal  
Double spoke guard,  
Non-bending cable feed  
Weight: 7.6 ozs. (215 gms.)



**FRONT DERAILLEUR**  
Model: FD-3300

**Specifications**  
Material: Body:  
Aluminum alloy  
Cage: Heat treated  
& Chromium plated steel  
Gear capacity: 18T  
Features: Parallelogram, Low normal  
Detachable cable housing port  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.6 ozs. (101 gms.)  
Without housing port



**FRONT DERAILLEUR**  
Model: FD-3360

**Specifications**  
Material: Body:  
Aluminum alloy  
Cage: Heat treated  
& Chromium plated steel  
Gear capacity: 18T  
Features: Parallelogram, Low normal  
Braze-on type,  
Sheathless cable system  
Tube diameter: 28.6 mm (1-1/8")  
Weight: 3.6 ozs. (103 gms.)  
With braze-on boss



**FRONT DERAILLEUR**  
Model: FD-3700

**Specifications**  
Material: Body: Aluminum alloy  
Cage: Heat treated & Chromium plated steel  
Clamp band: Stainless steel  
Gear capacity: 18T  
Features: Parallelogram, Low normal,  
Sheathless cable system  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.3 ozs. (94 gms.)



**SHIFT LEVER**  
Model: LD-3700

**Specifications**  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type/Double lever  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Down tube  
Weight: 2.4 ozs. (68 gms.)



**SHIFT LEVER**  
Model: LD-3750

**Specifications**  
Material: Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type/Double lever  
Braze-on type  
Mounting position: Down tube  
Weight: 1.8 ozs. (51 gms.)  
With braze-on boss



**SHIFT LEVER**  
Model: LD-3800

**Specifications**  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type/Double lever  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Down tube  
Weight: 2.4 ozs. (68 gms.)



**SHIFT LEVER**  
Model: LD-3850

**Specifications**  
Material: Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type/Double lever  
Braze-on type  
Mounting position: Down tube  
Weight: 1.9 ozs. (55 gms.)  
With braze-on boss



**CALIPER BRAKE**

Model: CB-7000  
(Calipers & Lever Set)

Specifications  
Material: Cold forged aluminum alloy  
Type: Side-pull with eccentric quick release & tire guides  
Shoe adjustment range: 40-50 mm (10 mm)  
Weight: 11.5 ozs. (325 gms.) Pair  
Other: Recessed nut type is available.



**CALIPER BRAKE**

Model: CB-8000  
(Calipers & Lever Set)

Specifications  
Material: Cold forged aluminum alloy  
Type: Side-pull with eccentric quick release & tire guides  
Shoe adjustment range: 47-57 mm (10 mm)  
Weight: 11.6 ozs. (331 gms.) Pair  
Other: Recessed nut type is available.



**CHAIN Model: SP-6100**

Specifications  
Material: Plate & pin: High-carbon steel  
Dai-hard® finish  
Surface finish: Silver & Black  
Size: 1/2" x 3/32" (Ultra size)  
Pin width: 7.3 mm  
Weight: 12.2 ozs. (346 gms.)/114 links  
Note: Special chain tool (TA-330) must be used.



**CRANK SET**

Model: CW-7000 (Crank Set)  
CW-7050 (Right & Left arms)

Specifications  
Material: Crank: New process forged aluminum alloy  
Chainrings: Aluminum alloy  
Fixing bolts, nuts & dust cap: Steel  
Type: Cotterless (Road type)  
Offset crank arm and Low profile spider  
Chain: 1/2" x 3/32"  
Available chainrings: 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54  
Crank length: 165 mm, 167.5 mm, 170 mm, 172.5 mm, 175 mm  
Thread: 9/16" x 20T (English)  
Weight: 23.2 ozs. (658 gms.)/52 x 42T, 170 mm



**PEDAL**

Model: PL-5300  
Specifications  
Material: Body: Aluminum alloy  
Plate: Steel, black finish  
Spindle: Cr-Mo with allen key (6 mm)  
Type: Detachable plate  
Plate width: 60 mm  
Thread: 9/16" x 20T (English)  
Weight: 14.0 ozs. (398 gms.)



**BOTTOM BRACKET**

Model: BB-400  
Specifications  
Material: Axle: Cr-Mo steel  
Cup: Steel  
Thread: BC 1.37" x 24T (English)  
B.B. width: 68 mm, 70 mm  
Weight: 10.4 ozs. (295 gms.)  
Other: French & Italian size are available



**BRAKE LEVER**  
Model: CB-7200

Specifications  
Material: Bracket: Die-cast aluminum alloy  
Lever: Aluminum alloy, anodized finish  
Clamp: Steel  
Type: Hooded lever with rubber pad  
Ergonomically designed lever hood  
Clamp diameter: 23.8 mm, 24.0 mm  
Weight: 7.9 ozs. (223 gms.) Pair/Without cables  
Other: Brown colored hood are available



**HUB**  
Model: BH-2200

Specifications  
Material: Body: Cold forged aluminum alloy  
Axle: Steel  
Type: Small flange/Quick release  
Lock nut-to-lock nut dimension:  
Front 100 mm Rear 120, 126 mm  
Spoke drilling: 28H, 32H, 36H  
Thread: BC 1.37" x 24T (English)  
Features: Sealed bearing  
Dished & Beveled flange (PAT. PED.)  
Double sealed mechanism  
Weight: 18.9 ozs. (536 gms.) Pair/100-120 mm



### REAR DERAILLEUR

Model: RD-6300

#### Specifications

Material: Body: Aluminum alloy  
Cage: Steel, matte chrome finish

Largest rear sprocket: 34T (With GS, GT & SD Dropout)

Total gear capacity: 38T (Maximum chainring differential: 18T)

Features: Slant parallelogram, Top normal Double spoke guard Non-bending cable feed

Weight: 8.3 ozs. (235 gms.)



### FRONT DERAILLEUR

Model: FD-3500

#### Specifications

Material: Body, Outer cage: Aluminum alloy  
Inner cage: Heat treated steel, matte chrome finish

Gear capacity: 22T

Features: Parallelogram, Inner plate offset Super wide range, Top-normal type

Clamp diameter: 28.6 mm (1-1/8")

Minimum difference of sprocket: 6T

Weight: 4.05 ozs. (115 gms.)



### PEDAL

Model: PL-5100

#### Specifications

Material:

Body, cage: Anodized finish Aluminum alloy,  
Axle: Cr-Mo steel, Chrome plated

Type: Removable oval plate

Width: 92 mm

Thread: 9/16 x 20T, 1/2" x 20T

Weight: 15.4 ozs. (438 gms.) Pair

Other: Toe Clip can be used with adapter



### SHIFT LEVER

Model: LD-3600

LS-4400 (For Right)

LS-4500 (For Left)

#### Specifications

Material: Lever: Aluminum alloy with rubber hoods

Clamp: Stainless steel

Feature: Power lever with ratchet

Clamp diameter: 22.2 mm (7/8")

Mounting position: Handlebar

Weight: 6.5 ozs. (186 gms.) Pair



### SEALED BEARING HUB

Model: BH-1400

#### Specifications

Material: Flange: Aluminum alloy

Axle: Cr-Mo steel

Type: Small flange/Nut type

Lock nut-to-lock nut dimension:

Front 100 mm Rear 126, 130 mm

Spoke drilling: 36H

Thread: BC 1.37" x 24T (English)

Features: Sealed bearing, Double sealed

Dished & Beveled flange

(PAT. PED.)

Weight: 20.0 ozs. (561 gms.) Pair



### POWER BRAKE ARM

Model: CB-6000 (Brake arm & lever set)

CB-6100 (Brake arm set)

#### Specifications

Material: Arm: Cold forged aluminum alloy, Anodized finish

Braze-on pivots: Steel

Type: Roller cam with quick release

Braze-on type

Shoe horizontal adjustment range: 8 mm

Weight: 20.0 ozs. (568 gms.) Pair



### POWER BRAKE LEVER

Model: CB-6200

#### Specifications

Material: Lever handle: Cold forged aluminum alloy  
Black anodized finish

Clamp: Aluminum alloy

Bolt: Steel

Clamp diameter: 22.2 mm (7/8")

Features: Cable adjuster, Reach adjuster, Ergonomic design

Weight: 10.8 ozs. (306 gms.)



### HEAD BINDER

Model: HL-3000

#### Specifications

Material: Body: Aluminum alloy

Clamp bolt & nut: Cr-Mo steel

Thread: 1" x 24T

Weight: 1.41 ozs. (40 gms.) With clamp nut

Note: Between 10 mm and 14.5 mm of steerer tube must be available above headset upper cup/race for the clamp.



### HANDLEBAR STEM

Model: MS-1400

#### Specifications

Material: Body: Aluminum alloy, Anodized finish  
Clamp & Extension bolt: Cr-Mo steel  
Cap: Plastic  
Color: Silver  
Extension: 75 mm (2.95")

Clamp diameter: 25.4 mm (1")  
22.2 mm with collar  
Stem diameter: 22.2 mm (7/8")  
Weight: 14.2 ozs. (403 gms.)



### SEAT POST

Model: SP-2000

#### Specifications

Material: Body, clamp: cold forged aluminum alloy Hard anodized finish  
Clamp bolt & nuts: Cr-Mo steel, Chrome plated  
Length: 300 mm (11.8")  
Diameter: 26.4 mm, 26.6 mm, 26.8 mm, 27.0 mm, 27.2 mm  
Saddle angle adjustment range: 22°  
Saddle rail diameter: 7-8 mm  
Weight: 10.0 ozs. (283 gms.)



### SEALED BEARING HUB

Model: BH-2300

#### Specifications

Material: Flange: Aluminum alloy  
Axle: Cr-Mo steel  
Type: Small flange/Quick release  
Lock nut-to-lock nut dimension: Front 100 mm Rear 126 mm, 130 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T (English)  
Features: Sealed bearing, Double sealed Dished & Beveled flange (PAT. PED.)  
Weight: 21.3 ozs. (604 gms./100-126 mm)



### MOUNTAIN SEALED HUB

Model: RH-4800

#### Specifications

Material: Hub shell: Aluminum alloy  
Axle: Cr-Mo steel  
Lock nut-to-lock nut dimension: Front 100 mm Rear 126,130 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T  
Feature: Rubber seals  
Weight: 21 ozs. (595 gms.)



### PEDAL

Model: MP-1000

#### Specifications

Material: Body, Plate: Aluminum alloy/Anodized finish  
Axle: Cr-Mo steel  
Type: Detachable plate  
Plate width: 60 mm  
Thread: 9/16" x 20T (English)  
Feature: Sealed bearing  
Color: Silver, Gold, Blue, Red & Black  
Weight: 11.2 ozs. (316 gms./Pair)



### SEAT POST BINDER

Model: QR-170

#### Specifications

Material: Skewer: Cr-Mo steel  
Adjusting nut, washer: Aluminum alloy  
Useful skewer length: 18-38.5 mm  
Weight: 2.5 ozs. (69 gms.)



### RUSTLESS FREEWHEEL 6-SPEED

Model: PT-6300

#### Specifications

Material: Sprocket: Steel, Silver finish  
Body, Dust cap: Forged steel /Dacro finish  
Ball bearing, pawl: Stainless steel  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 126,130 mm  
Type: Boss type  
Feature: Double lock dust cap  
Weight: 16.8 ozs. (477 gms.) 14-26T



## CYCLONE MARK-II



**REAR DERAILEUR**  
Model: RD-3500

**Specifications**

**Material:**  
Body, Cage: Aluminum alloy  
Largest rear sprocket: 26T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 28T (Maximum chainring differential 15T)

**Features:** Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Weight: 5.6 ozs. (160 gms.)



**REAR DERAILEUR-GT**  
Model: RD-3700

**Specifications**

**Material:**  
Body, Cage: Aluminum alloy  
Largest rear sprocket: 34T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 34T (Maximum chainring differential 13T)

**Features:** Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Weight: 6.0 ozs. (170 gms.)

## ARX



**REAR DERAILEUR**  
Model: RD-4300

**Specifications**

**Material:** Body, Cage: Aluminum alloy  
Largest rear sprocket: 26T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 28T (Maximum chainring differential 15T)

**Features:** Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Weight: 6.8 ozs. (192 gms.)



**FRONT DERAILEUR**  
Model: FD-2300

**Specifications**

**Material:**  
Body: Aluminum alloy  
Cage: Heat treated & Chromium plated steel  
Clamp: Stainless steel  
Gear capacity: 18T  
**Features:** Parallelogram, Low normal, Sheathless cable system  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.3 ozs. (94 gms.)



**FRONT DERAILEUR**  
Model: FD-2400

**Specifications**

**Material:**  
Body: Aluminum alloy  
Cage: Heat treated & Chromium plated steel  
Gear capacity: 18T  
**Features:** Parallelogram, Low normal  
Detachable cable housing port  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.6 ozs. (95 gms.)  
Without cable housing port



**FRONT DERAILEUR**  
Model: FD-2600

**Specifications**

**Material:**  
Body, Outer cage: Aluminum alloy  
Inner cage: Heat treated & matte chrome finish  
Gear capacity: 18T  
**Features:** Parallelogram, Low normal  
Detachable cable housing port  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.3 ozs. (93 gms.)

## TOP-MOUNT



**SHIFT LEVER**  
Model: LD-2300

**Specifications**  
**Material:** Body, Lever: Aluminum alloy  
Clamp band: Stainless steel  
**Type:** Double lever/Endless clamp  
**Features:** Self adjust, Synchro shift  
Internal travel stop  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Top of down tube  
Weight: 2.6 ozs. (73 gms.)  
**Other:** Different sets available for Top normal or Low normal front derailleurs.



**SHIFT LEVER**  
Model: LD-2350

**Specifications**  
**Material:** Body, Lever: Aluminum alloy  
Braze-on boss: Steel  
**Type:** Double lever/Braze-on boss  
**Features:** Self adjust, Synchro shift  
Internal travel stop  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Top of down tube  
Weight: 2.4 ozs. (68 gms.)  
**Other:** Different sets available for Top normal or Low normal front derailleurs.





**REAR DERAILLEUR-GT**  
Model: RD-4500

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel/matte chrome finish  
Largest rear sprocket: 30T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 34T  
(Maximum chainring differential 18T)  
Features: Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Weight: 8.8 ozs. (250 gms.)



**SHIFT LEVER**  
Model: LD-3300

Specifications  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type/Double lever  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Down tube  
Weight: 2.7 ozs. (76 gms.)

**SHIFTER LEVER**  
Model: LD-3350



Specifications  
Material: Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type/Double lever  
Braze-on type  
Mounting position: Down tube  
Weight: 2.3 ozs. (65 gms.)

**AR**



**REAR DERAILLEUR**  
Model: RD-4200

Specifications  
Material: Body: Aluminum alloy  
Shifter, Cage: Steel  
Largest rear sprocket: 28T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 30T  
(Maximum chainring differential 16T)  
Features: Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Double spoke guard  
Weight: 10.0 ozs. (285 gms.)



**REAR DERAILLEUR-GT**  
Model: RD-4400

Specifications  
Material: Body: Aluminum alloy  
Shifter, Cage: Steel  
Largest rear sprocket: 30T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 34T  
(Maximum chainring differential 18T)  
Features: Slant parallelogram, Easy cable setting  
Non-bending mechanism, Top normal  
Double spoke guard  
Weight: 10.5 ozs. (298 gms.)



**FRONT DERAILLEUR**  
Model: FD-2500

Specifications  
Material: Body: Aluminum alloy  
Cage: Heat treated & Chromium plated steel  
Gear capacity: 18T  
Features: Parallelogram, Low normal  
Detachable cable housing port  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.9 ozs. (112 gms.)

**HUB**



**SPRINT TRACK HUB**

Model: RH-4400  
Specifications  
Material: Flange: Forged aluminum alloy/  
Anodized finish  
Axle: Steel  
Type: Large flange/Nut type  
Lock nut-to-lock nut dimension: Front 100 mm  
Rear 120 mm  
Spoke drilling: 20H, 24H, 28H, 32H, 36H  
Sprocket thread: BC 1.37" x 24T (English)  
Lock ring thread: BC 1.29" x 24TL  
Features: Double thread  
Weight: 18.9 ozs. (535 gms.) Pair



**SEALED BEARING HUB**

Model: BH-4600  
Specifications  
Material: Flange: Aluminum alloy  
Axle: Steel  
Type: Small flange/Quick release  
Lock nut-to-lock nut dimension: Front 96 mm, 100 mm  
Rear 120 mm, 124 mm, 126 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T (English)  
Features: Sealed bearing, Double sealed  
Weight: 21.9 ozs. (620 gms.) Pair



**SEALED BEARING HUB**

Model: BH-4700  
Specifications  
Material: Flange: Aluminum alloy  
Axle: Steel  
Type: Large flange/Quick release  
Lock nut-to-lock nut dimension: Front 96 mm, 100 mm  
Rear 120 mm, 124 mm, 126 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T (English)  
Features: Sealed bearing, Double sealed  
Weight: 23.2 ozs. (659 gms.) Pair

# Le PREE

## REAR DERAILLEUR-S Model: RD-6100



Specifications  
Material: Body, Aluminum alloy  
Outer cage: Steel /matte chrome-finish  
Inner cage: Steel  
Largest rear sprocket: 28T (With GS, GT & SD Dropout)  
Total gear capacity: 30T (Maximum chainring differential 15T)

Features: Slant parallelogram, Top normal  
Double spoke guard,  
Non-bending cable feed  
Weight: 8.3 ozs. (237 gms.)

## REAR DERAILLEUR-GT Model: RD-6700



Specifications  
Material: Body, Aluminum alloy  
Outer cage: Steel/Matte chrome finish  
Inner cage: Steel/Matte chrome finish  
Largest rear sprocket: 30T (With GS, GT & SD Dropout)  
Total gear capacity: 34T (Maximum chainring differential 18T)

Features: Slant parallelogram, Top normal  
Double spoke guard,  
Non-bending cable feed  
Weight: 8.6 ozs. (245 gms.)



## FRONT DERAILLEUR Model: FD-3400

Specifications  
Material: Body: Aluminum alloy  
Cage: Heat treated & Chromium plated steel

Gear capacity: 18T  
Features: Parallelogram, Low normal  
Detachable cable housing port  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 3.6 ozs. (101 gms.)  
Without housing port



## HUB Model: RH-4900

Specifications  
Material: Flang: Forged aluminum alloy  
Axle: Cr-Mo Steel  
Type: Small flange/Quick release  
Lock nut-to-lock nut dimension:  
Front 100 mm  
Rear 120 mm, 126 mm  
Spoke drilling: 32H, 36H  
Thread: BC 1.37" x 24T  
Features: Rubber seals  
Weight: 19.9 ozs. (565 gms.)



## SHIFT LEVER Model: LD-3900

Specifications  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type/Double lever  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Down tube  
Weight: 2.7 ozs. (76 gms.)



## SHIFT LEVER Model: LD-3950

Specifications  
Material: Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type /Double lever  
Braze-on type  
Mounting position: Down tube  
Weight: 2.6 ozs. (74 gms.)  
With braze-on boss



## SHIFT LEVER Model: LD-4000

Specifications  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type /Double lever  
Clamp diameter: 1-1/8" (28.6 mm)  
Mounting position: Top of down tube  
Weight: 2.5 ozs. (71 gms.)



## SHIFT LEVER Model: LD-4050

Specifications  
Material: Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type/Double lever  
Braze-on type  
Mounting position: Top of down tube  
Weight: 2.1 ozs. (59 gms.)





**REAR DERAILEUR (S)**  
Model: RD-4700

Specifications  
Material: Body, Cage:  
Aluminum alloy  
Largest rear sprocket:  
28T (With GS, GT  
& SD Dropout)  
Total gear capacity:  
28T (Maximum chainring  
differential 14T)

Features: Slant parallelogram, Non-bending mechanism, Top normal, Sealed mechanism, Direct cable pull  
Weight: 7.1 ozs. (201 gms.)



**REAR DERAILEUR**  
Model: RD-4900

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
/matte chrome finish  
Largest rear sprocket: 34T  
(With GS, GT & SD Dropout)  
Total gear capacity:  
34T (Maximum chainring  
differential 14T)

Features:  
Slant parallelogram,  
Non-bending mechanism  
Top normal, Easy cable setting  
self positioning Pulley  
Weight: 10.1 ozs. (287 gms.)



**REAR DERAILEUR**  
Model: RD-5000

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
/matte chrome finish  
Largest  
rear sprocket: 38T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 34T (Maximum  
chainring differential 10T)

Features:  
Slant parallelogram, Non-bending  
mechanism,  
Top normal, Easy cable setting  
self positioning Pulley  
Weight: 13.1 ozs. (372 gms.)



**REAR DERAILEUR (GTL)**  
Model: RD-5500

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
/matte chrome finish  
Largest rear sprocket:  
34T (With GS, GT, &  
SD Dropout)

Total gear capacity:  
38T (Maximum chainring  
differential 18T)  
Features: Slant parallelogram,  
Non-bending mechanism,  
Top normal, Easy cable setting  
self positioning Pulley  
Weight: 10.3 ozs. (291 gms.)



**REAR DERAILEUR (GTL)**  
Model: RD-5600

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
/matte chrome finish  
Largest rear sprocket:  
38T (With GS, GT, & SD Dropout)

Total gear capacity:  
38T (Maximum chainring  
differential 14T)  
Features: Slant parallelogram,  
Non-bending mechanism,  
Top normal, Easy cable setting  
self positioning Pulley  
Weight: 13.6 ozs. (386 gms.)



**FRONT DERAILEUR**  
Model: FD-2700

Specifications  
Material: Body, Outer cage:  
Aluminum alloy  
Inner cage: Steel

Gear capacity: 26T  
Features: Parallelogram, 2way cable setting  
Inner plate offset, Super wide range, Low normal  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Other: Minimum difference of sprocket/6T  
Weight: 3.6 ozs. (102 gms.)



**FRONT DERAILEUR**  
Model: FD-2800

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel/Chrome finish

Gear capacity: 26T  
Features: Parallelogram, 2 way cable setting  
Inner plate offset, Super wide range, Low normal  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Other: Minimum difference of sprocket/6T  
Weight: 4.5 ozs. (128 gms.)

**SEALED BEARING FRONT HUB**

Model: BH-1000

Specifications

Material: Body: Aluminum alloy

Axle: Cr-Mo steel

Type: Small flange/Nut type

Lock nut-to-lock nut dimension: 96 mm

Spoke drilling: 36H

Features: Sealed bearing, Double sealed

Axle thread: M10 x 1 (8 mm Flat)

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 8.8 ozs. (249 gms.)

**SEALED BEARING REAR HUB**

Model: BH-1100

Specifications

Material: Body: Aluminum alloy

Axle: Cr-Mo steel

Type: Small flange/Nut type

Lock nut-to-lock nut dimension: 110 mm

Spoke drilling: 36H

Features: Sealed bearing, Double sealed

Thread: BC 1.37" x 24T (English)

Axle thread: M10 x 1

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 10.5 ozs. (298 gms.)

**SEALED BEARING FRONT HUB**

Model: BH-1200

Specifications

Material: Body: Aluminum alloy

Axle: Steel

Type: Large flange/Nut type

Lock nut-to-lock nut dimension: 96 mm

Spoke drilling: 36H

Features: Sealed bearing, Double sealed

Axle thread: M10 x 1 (8 mm Flat)

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 9.5 ozs. (269 gms.)

**SEALED BEARING REAR HUB**

Model: BH-1300

Specifications

Material: Body: Aluminum alloy

Axle: Cr-Mo steel

Type: Large flange/Nut type

Lock nut-to-lock nut dimension: 110 mm

Spoke drilling: 36H

Features: Sealed bearing, Double sealed

Thread: BC 1.37" x 24T (English)

Axle thread: M10 x 1

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 11.3 ozs. (320 gms.)

**FRONT HUB**

Model: MH-1000

Specifications

Material: Body: Aluminum alloy/

Anodized finish

Axle: Steel

Type: Small flange/Nut type

Lock nut-to-lock nut dimension:

93 mm, 96 mm

Spoke drilling: 36H

Axle thread: 3/8" x 26T (8 mm Flat)

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 7.2 ozs. (204 gms.)

**FRONT HUB**

Model: MH-1500

Specifications

Material: Body: Aluminum alloy/

Anodized finish

Axle: Steel

Type: Large flange/Nut type

Lock nut-to-lock nut dimension:

93 mm, 96 mm

Spoke drilling: 36H

Axle thread: 3/8" x 26T (8 mm Flat)

Color: Silver, Gold, Blue, Red &amp; Black

Weight: 8.2 ozs. (232 gms.)





### SINGLE THREAD REAR HUB

Model: HB-6200

#### Specifications

Material: Body: Aluminum alloy  
/Anodized finish  
Axle: Steel

Type: Small flange/Nut type  
Lock nut-to-lock nut dimension: 110 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T (English)  
Axle thread: 3/8" x 26T  
Color: Silver, Gold, Blue, Red & Black  
Weight: 11.0 ozs. (327 gms.)



### SINGLE THREAD REAR HUB

Model: HB-6100

#### Specifications

Material: Body: Aluminum alloy  
/Anodized finish  
Axle: Steel

Type: Small flange/Nut type  
Lock nut-to-lock nut dimension: 110 mm  
Spoke drilling: 36H  
Thread: BC 1.37" x 24T (English)  
Axle thread: 3/8" x 26T  
Color: Silver, Gold, Blue, Red & Black  
Weight: 12 ozs. (340 gms.)



### EZ OFF FREEWHEEL

Model: MF-2000

#### Specifications

Material: Forged steel/Chrome & Black finish  
Chain: 1/2" x 1/8", 1/2" x 3/32"  
Thread: BC 1.37" x 24T (English)  
Teeth: 16T, 17T, 18T  
Weight: 5.5 ozs. (155 gms.)/16T  
6.2 ozs. (175 gms.)/17T  
6.9 ozs. (194 gms.)/18T



### EZ OFF FREEWHEEL

Model: MF-3000

#### Specifications

Material: Forged Cr-Mo steel/Chrome finish  
Chain: 1/2" x 1/8", 1/2" x 3/32"  
Thread: BC 1.37" x 24T (English)  
Tooth: 16T  
Weight: 5.5 ozs. (155 gms.)



### SEALED MAXIMUM CAPACITY BEARING B. B. (HADLEY type for one-piece Crank)

Model: SA-180

#### Specifications

Material: Cups: Aluminum alloy  
Bearing, Lockwasher, Lock nut: Steel  
Color: Silver & Black  
Type: BMX one piece crank  
Cup diameter: 51.5 mm  
Cup thread:  
15/16" x 24T NS 0.937-28NS (Right)  
7/8" x 24T NS 0.894-28NS-L (Left)  
B.B. lug width: 68 mm  
Weight: 6.5 ozs. (185 gms.)



### MINI STEM

Model: MS-1000

#### Specifications

Material: Body, Clamp:  
Forged aluminum alloy/  
Anodized finish  
Column tube,  
Extension bolt: Cr-Mo Steel  
Extension: 16 mm  
Clamp diameter:  
7/8" (22.2 mm)  
Column diameter: 21 mm  
Color: Silver, Gold, Blue, Red  
& Black  
Weight: 11.9 ozs. (338 gms.)

### POWER STEM

Model: MS-1100

#### Specifications

Material: Body, Clamp:  
Forged aluminum alloy/  
Anodized finish  
Column tube, Extension bolt:  
Cr-Mo steel  
Extension: 41 mm  
Clamp diameter: 7/8" (22.2 mm)  
Column diameter: 21 mm  
Color: Silver, Gold, Blue,  
Red & Black  
Weight: 18.4 ozs. (522 gms.)



### POWER STEM

Model: MS-1200

#### Specifications

Material: Body, Clamp:  
Aluminum alloy  
Column tube,  
Extension bolt: Cr-Mo steel  
Extension: 38 mm  
Clamp diameter:  
7/8" (22.2 mm)  
Column diameter: 21 mm  
Color: Silver, Black  
Weight: 18.4 ozs. (522 gms.)



### SEAT CLAMP

Model: MC-1000

#### Specifications

Material: Forged aluminum alloy/  
Anodized finish  
Clamp diameter: 1" (25.4 mm),  
1-1/8" (28.6 mm)  
Color: Silver, Gold, Blue, Red & Black  
Weight: 1.7 ozs. (49 gms.)/1-1/8"

### HEAD LOCK UP

Model: HL-1000

#### Specifications

Material: Forged aluminum alloy/  
Anodized finish  
Thread: BC 1" x 24T (English)  
Stem diameter: 21 mm  
Color: Silver, Gold, Blue, Red & Black  
Weight: 1.2 ozs. (33 gms.)



# REAR DERAILLEUR



**SEVEN**  
Model: RD-1900

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel /Chrome finish  
Largest rear sprocket: 28T (With GS, GT & SD Dropout)  
Total gear capacity: 30T (Maximum chainring differential 16T)

Features: Slant parallelogram, Non-bending mechanism, Top normal  
Weight: 10.9 ozs. (310 gms.)



**SEVEN-GT**  
Model: RD-2000

Specifications  
Material: Aluminum alloy  
Cage: Steel /Chrome finish  
Largest rear sprocket: 30T (With GS, GT & SD Dropout)  
Total rear capacity: 34T (Maximum chainring differential 18T)

Features: Slant parallelogram, Non-bending mechanism, Top normal  
Weight: 11.4 ozs. (324 gms.)



**HONOR**  
Model: RD-1100

Specifications  
Material: Body, Cage: Steel /Chrome finish  
Largest rear sprocket: 28T (With bracket)  
Total gear capacity: 30T (Maximum chainring differential 16T)

Features: Slant parallelogram, Non-bending mechanism, Top normal  
Weight: 13.3 ozs. (377 gms.)



**GT**  
Model: RD-1200

Specifications  
Material: Body, Cage: Steel /Chrome finish  
Largest rear sprocket: 34T (With bracket)  
Total gear capacity: 34T (Maximum chainring differential 14T)

Features: Slant parallelogram, Non-bending mechanism, Top normal  
Weight: 13.6 ozs. (386 gms.)



**VOLANTE**  
Model: RD-2600

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel  
Largest rear sprocket: 28T (With bracket)  
Total gear capacity: 23T (Maximum chainring differential 9T)

Features: Slant parallelogram, Non-bending mechanism, Top normal  
Weight: 9.3 ozs. (263 gms.)

# FRONT DERAILLEUR



**SEVEN**  
Model: FD-1400

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel/Chrome finish

Gear capacity: 18T  
Features: Parallelogram, Low normal  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 4.0 ozs. (113 gms.)



**SPIRT**  
Model: FD-1000

Specifications  
Material: Body: Aluminum alloy  
Cage: Steel/Chrome finish

Gear capacity: 18T  
Features: Parallelogram, Top normal  
Clamp type: Hinge type  
Clamp diameter: 1-1/8" (28.6 mm)  
Weight: 5.1 ozs. (145 gms.)



# SHIFT LEVER



## BAR-CON

Model: LD-1400  
Specifications  
Material: Body, Handle:  
Aluminum alloy  
Pad: Rubber  
Feature:  
Power lever with ratchet  
Bar inside diameter: 20 mm-22 mm  
Mounting position: Handle-bar end  
Weight: 6.2 ozs. (176 gms.) Pair



## SLW

Model: LS-3900  
Specifications  
Material: Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type/Single lever  
Clamp diameter:  
1-1/8" (28.6 mm)  
Mounting position: Down tube  
Weight: 1.9 ozs. (56 gms.)



## LX-10

Model: LD-4100  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
/Chrome finish  
Type: Universal type  
/Double lever  
Clamp diameter:  
1-1/8" (28.6 mm)  
Mounting position: Top of down tube  
Weight: 2.5 ozs. (71 gms.)



## PDL-M

Model: LD-1500  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Feature: Power lever  
with ratchet  
Clamp diameter:  
1-1/8" (28.6 mm)

Mounting position: Down tube  
Weight: 4.4 ozs. (125 gms.)  
Other: Braze-on type is available.



## PUB-10

Model: LD-4300  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
/Chrome finish  
Pad: Rubber  
Feature:  
Power lever with ratchet  
Clamp diameter:  
7/8" (22.2 mm)

Mounting position: Handle-bar stem  
Weight: 5.9 ozs. (168 gms.)



## LX-10

Model: LD-4150  
Specifications  
Material:  
Lever: Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type  
/Double lever  
Braze-on type  
Mounting position: Top of down tube  
Weight: 2.1 ozs. (59 gms.)



## PSL-M

Model: LS-1500  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Feature:  
Power lever with ratchet  
Clamp diameter:  
1-1/8" (28.6 mm)

Mounting position: Down tube  
Weight: 2.5 ozs. (72 gms.)  
Other: Braze-on type is available.



## PUB-5

Model: LS-4600  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
/Chrome finish  
Pad: Rubber  
Feature:  
Power lever with ratchet  
Clamp diameter:  
7/8" (22.2 mm)

Mounting position: Handle-bar stem  
Weight: 4.3 ozs. (121 gms.)



## MIGHTY SHIFTER-II

Model: LS-2200  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Pad: Rubber  
Feature: Power lever with ratchet  
Clamp diameter: 7/8" (22.2 mm)  
Mounting position: Handle-bar  
Weight: 3.4 ozs. (96 gms.)



## DLW

Model: LD-4200  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Clamp diameter:  
1-1/8" (28.6 mm)  
Type: Universal type  
/Double lever

Mounting position: Down tube  
Weight: 2.7 ozs. (76 gms.)



## UBN-10

Model: LD-3000  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type  
/Double lever  
Clamp diameter:  
7/8" (22.2 mm)

Mounting position: Handle-bar stem  
Weight: 5.0 ozs. (142 gms.)



## DLW

Model: LD-4250  
Specifications  
Material: Lever:  
Aluminum alloy  
Braze-on boss: Steel  
Type: Universal type  
/Double lever  
Braze-on type  
Clamp diameter:  
1-1/8" (28.6 mm)

Mounting position: Down tube  
Weight: 2.6 ozs. (74 gms.)



## UBN-5

Model: LS-3500  
Specifications  
Material:  
Lever: Aluminum alloy  
Clamp: Steel  
Type: Universal type  
/Double lever  
Clamp diameter: 7/8" (22.2 mm)

Mounting position: Handle-bar stem  
Weight: 3.7 ozs. (104 gms.)





## MICRO LITE 7SPEED (ULTRA TYPE)

Model: LF-7000

### Specifications

Material: Body, Sprocket: Super duralumin/  
Anodized finish  
Ground ball races, Ratchet: Cr-Mo  
steel/Ground ball races for precision  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32" (Ultra narrow size)  
Hub lock nut-to-lock nut dimension: 126 mm  
Tooth range: 12 through 24  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 6 or 7 speed freewheels  
Weight: 6.0 ozs. (165 gms.)/12-18T size



## NEW WINNER 6SPEED (ULTRA TYPE)

Model: NW-6500

### Specifications

Material: Body: Forged steel/Ground ball  
race for precision  
Sprockets: Steel/Silver finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32" (Ultra narrow size)  
Hub lock nut-to-lock nut dimension: 120 mm  
Tooth range: 13 through 32  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 5, 6, or 7 speed freewheels  
Weight: 11.7 ozs. (333 gm.)/13-18T size



## PERFECT TYPE 6SPEED

Model: PN-6000

### Specifications

Material: Body: Forged steel  
Sprockets: Steel/Brown finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 124 mm  
Tooth range: 14 through 34  
Type: Boss type  
Weight: 15.7 ozs. (446 gms.)/14T-24T size



## MICRO LITE 6SPEED (ULTRA TYPE)

Model: LF-6000

### Specifications

Material: Body, Sprocket: Super duralumin/  
Anodized finish  
Ground ball races, Ratchet: Cr-Mo  
steel/Ground ball races for precision  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32" (Ultra narrow size)  
Hub lock nut-to-lock nut dimension: 120 mm  
Tooth range: 13 through 24  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 6 or 7 speed freewheels  
Weight: 5.4 ozs. (154 gms.)/13-18T size



## NEW WINNER 6SPEED

Model: NW-6000

### Specifications

Material: Body: Forged steel/Ground ball  
race for precision  
Sprockets: Steel/Silver finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 126 mm  
Tooth range: 13 through 32  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 5, 6, or 7 speed freewheels  
Weight: 12.8 ozs. (363 gms.)/13-18 T size



## PERFECT TYPE 6SPEED

Model: PS-6000

### Specifications

Material: Body: Forged steel  
Sprockets: Steel/Brown finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 126 mm  
Tooth range: 13 through 34  
Type: Boss type  
Weight: 15.2 ozs. (430 gms.)/13-22T size  
Other: Available brown, gold & silver.



## NEW WINNER 7SPEED (ULTRA TYPE)

Model: NW-7000

### Specifications

Material: Body: Forged steel/Ground ball  
race for precision  
Sprockets: Steel/Silver finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32" (Ultra narrow size)  
Hub lock nut-to-lock nut dimension: 126 mm  
Tooth range: 12 through 32  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 5, 6, or 7 speed freewheels  
Weight: 12.7 ozs. (361 gms.)/12-18T size



## NEW WINNER 5SPEED

Model: NW-5000

### Specifications

Material: Body: Forged steel/Ground ball  
races for precision  
Sprockets: Steel/Silver finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 120 mm  
Tooth range: 13 through 32  
Type: Boss type  
Features: Double lock nut system  
Universal body-for 5, 6, or 7 speed freewheels  
Weight: 10.2 ozs. (289 gms.)/13-17T size



## PRO-COMPE 5SPEED

Model: PC-5000

### Specifications

Material: Body: Forged steel/Ground ball  
races for precision  
Sprockets: Steel/Gold finish  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"  
Hub lock nut-to-lock nut dimension: 120 mm  
Tooth range: 14 through 34  
Type: Boss type  
Weight: 11.8 ozs. (335 gms.)/14-18T size



### PERFECT TYPE 5SPEED

Model: PT-5000

#### Specifications

Material: Body: Forged steel

Sprockets: Steel/Brown finish

Thread: 1.37" x 24T (English)

Chain: 1/2" x 3/32"

Hub lock nut-to-lock nut dimension: 120 mm

Tooth range: 14 through 34 Type: Boss type

Weight: 11.8 ozs. (335 gms.)/14-18T size



### AG 5SPEED

Model: PT-3800

#### Specifications

Material: Body: Forged steel

Sprockets: Steel/Brown finish

Thread: 1.37" x 24T (English)

Chain: 1/2" x 3/32"

Hub lock nut-to-lock nut dimension: 124 mm

Tooth range: 14 through 38 Type: Boss type

Weight: 20.5 ozs. (580 gms.)/14-38T size

Other: With chain guard



### SD-3SPEED

Model: FT-3050

#### Specifications

Material: Body: Forged steel

Sprockets: Steel/Brown finish

Thread: 1.37" x 24T (English)

Chain: 1/2" x 1/8"

Weight: 9.9 ozs. (280 gms.)

/16 x 19 x 24 size



### SD-SINGLE SPEED

Model: FS-1500

#### Specifications

Material: Body, Sprocket: Forged steel/  
Brown finish

Thread: 1.37" x 24T (English)

Chain: 1/2" x 1/8"

Teeth: 16T, 18T, 19T, 20T, 21T, 22T, 24T

Weight: 6.5 ozs. (184 gms.)/18T size



### SC-SINGLE SPEED (MINI SIZE)

Model: MF-1000

#### Specifications

Material: Body, Sprocket: Forged steel/  
Brown finish

Thread: M 30 x 1.0 (Metric)

Chain: 1/2" x 1/8"

Teeth: 14T, 15T

Weight: 4.4 ozs. (124 gms.)/14T size

## CHAIN



### ULTRA-6 CHAIN

Model: UC-6000

#### Specifications

Material: Pin, Bush: Cr-Mo Steel

Plate: Steel

Surface treatment: Roller link plate/Black finish

Pin link plate/Silver finish

Size: 1/2" x 3/32" (Ultra narrow size)

Pin length: 7.3 mm

Weight: 12.3 ozs. (349 gms.)/116 links



### Z-CHAIN

Model: TZ-6000

#### Specifications

Material: Pin, Bush: Cr-Mo Steel

Plate: Steel

Surface treatment: Roller link plate/Black finish

Pin link plate/Brown or Gold finish

Size: 1/2" x 3/32" (Semi ultra narrow size)

Pin length: 7.5 mm

Weight: 12.9 ozs. (365 gms.)/116 links

### SPOKE DISC

Model: SD-760

#### Specifications

Material: Plastic

Diameter: 7-1/2" (186 mm)

Use range: Maximum 34T

Weight: 16.0 ozs. (47 gms.)



### SPOKE DISC

Model: SD-660

#### Specifications

Material: Plastic

Diameter: 6" (150 mm)

Use range: 30T

Weight: 1.2 ozs. (33 gms.)

### SPOKE DISC

Model: SD-110

#### Specifications

Material: Disc: Plastic

Body: Aluminum alloy

Diameter: 7" (176 mm)

Use range: Maximum 34T

Weight: 1.7 ozs. (48 gms.)



### SPOKE DISC

Model: SD-100

#### Specifications

Material: Disc: Plastic

Body: Aluminum alloy

Diameter: 5-3/4" (147 mm)

Use range: Maximum 28T

Weight: 1.1 ozs. (32 gms.)

## SPOKE DISC

### SPOKE DISC

Model: SD-750

#### Specifications

Material: Steel/Light alloy

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

Use range: Maximum 34T

Weight: 4.7 ozs. (132 gms.)/Steel

1.7 ozs. (48 gms.)/Light alloy



### SPOKE DISC

Model: SD-720

#### Specifications

Material: Steel

Diameter: 7-1/4" (184 mm)

Use range: Maximum 38T

Weight: 3.8 ozs. (109 gms.)



### SPOKE DISC

Model: SD-650

#### Specifications

Material: Steel/Light alloy

Diameter: 6-1/2" (165 mm)

Use range: Maximum 27T

Weight: 3.6 ozs. (103 gms.)/Steel

1.3 ozs. (37 gms.)/Light alloy



### SPOKE DISC

Model: SD-600

#### Specifications

Material: Steel/Light alloy

Diameter: 6" (150 mm)

Use range: Maximum 30T

Weight: 2.4 ozs. (67 gms.)/Steel

0.8 ozs. (24 gms.)/Light alloy



### SPOKE DISC

Model: SD-550

#### Specifications

Material: Steel

Diameter: 5-1/2" (140 mm)

Use range: Maximum 30T

Weight: 3.1 ozs. (89 gms.)



### SPOKE DISC

Model: SD-450

#### Specifications

Material: Steel/Light alloy

Diameter: 4-1/2" (120 mm)

Weight: 1.6 ozs. (45 gms.)/Steel

0.7 ozs. (21 gms.)/Light alloy

Note: This disc does not meet C.P.S.C.



**REAR DERAILLEUR**

Model: RD-6400

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
/Chrome finish

Largest rear sprocket: 26T  
(With GS, GT, & SD Dropout)  
Total gear capacity: 30T  
(Maximum chaining differential 18T)  
Features: Parallelogram,  
Shift adjusting mechanism

Twin pivot derailleur cage, Cable saver

Double spoke guard, self positioning Pulley Top normal  
Weight: 11.7 ozs. (334 gms.)

Note: Click stop lever must be used with  
Trimec rear derailleur and freewheel



**SHIFT LEVER (C)**

Model: LD-4400

Specifications  
Material: Body, Lever:  
Aluminum alloy  
Clamp: Steel

Features:  
Internal travel stops,  
Positive clicking  
Clamp diameter:  
1-1/8" (28.6 mm)

Mounting position:  
Top of down tube

Weight: 3.9 ozs. (111 gms.)

Other: Front side non-click type is available  
Model: LD-4500 (U type)



**REAR DERAILLEUR (S)**

Model: RD-6600

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel  
Largest rear sprocket:

28T (With bracket)

Total gear capacity: 14T  
(For single chaining only)

Features: Parallelogram,  
Shift adjusting mechanism  
Cable saver, self positioning Pulley,  
Top normal

Weight: 10.7 ozs. (304 gms.)



**SHIFTER LEVER (C)**

Model: LD-4450

Specifications  
Material: Body, Lever:  
Aluminum alloy  
Braze-on boss: Steel

Features:  
Internal travel stops,  
Positive clicking  
Fitting tube diameter:  
1-1/8" (28.6 mm)

Mounting position:  
Top of down tube

Weight: 3.4 ozs. (97 gms.)

Other: Front side non-clicking type is available

Model: LD-4550 (U type)



**FRONT DERAILLEUR (C)**

Model: FD-3600

Specifications  
Material: Body: Aluminum alloy

Cage: Heat treated steel/Chrome finish  
Gear capacity: 24T

Features: Parallelogram, Shift adjusting  
mechanism  
Inner plate offset, Low normal

Clamp type: Hinge type

Clamp diameter:  
1-1/8" (28.6 mm)

Weight: 5.0 ozs. (143 gms.)



**FRONT DERAILLEUR**

Model: FD-2900

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Heat treated steel  
/Chrome finish

Gear capacity: 18T

Features: Parallelogram, Low normal  
Clamp type: Hing type

Clamp diameter: 1-1/8" (28.6 mm)

Weight: 4.0 ozs. (112 gms.)



**SHIFT LEVER**

Model: LS-4700

Specifications  
Material:  
Lever handle: Aluminum alloy  
Clamp: Steel  
Feature: Positive clicking  
Clamp diameter: 7/8" (22.2 mm)  
Mounting position: Handle-bar  
Weight: 3.4 ozs. (95 gms.)



**SHIFT LEVER**

Model: LD-3100

Specifications  
Material: Body, Lever:  
Aluminum alloy  
Clamp: Steel

Features:  
Internal travel stops,  
positive clicking  
Clamp diameter:  
7/8" (22.2 mm)

Mounting position: Handle-bar stem

Weight: 4.3 ozs. (121 gms.)



**SHIFT LEVER**

Model: LD-2700

Specifications  
Material:  
Body, Lever:  
Aluminum alloy  
Clamp: Steel

Features:  
Internal travel stops,  
Positive clicking  
Clamp diameter: 7/8" (22.2 mm)

Mounting position: Top of down tube

Weight: 2.9 ozs. (82 gms.)



**FREEWHEEL 6SPEED**

Model: PT-6100

Specifications  
Material: Body, Sprocket: Steel  
Thread: 1.37" x 24T (English)  
Chain: 1/2" x 3/32"

Hub lock nut-to-lock nut dimension: 126 mm

Type: Boss type

Weight: 16.8 ozs. (475 gms.)/14-24T Size

**MIGHTY CLICK SYSTEM**

**REAR DERAILLEUR**

Model: RD-2700

Specifications  
Material: Body:  
Aluminum alloy  
Cage: Steel

Largest rear sprocket:  
30T (With bracket)

Total gear capacity: 16T  
Features: Slant parallelogram,  
cable saver,  
Top normal  
Weight: 13.6 ozs. (389 gms.)



**SHIFTER LEVER**

Model: LS-2800

Specifications  
Material: Body, Grip: Plastic  
Clamp: Steel  
Feature: Positive clicking

Clamp diameter:  
7/8" (22.2 mm)

Mounting position:  
Handle-bar stem

Weight: 7.6 ozs. (218 gms.)



**SHIFT LEVER**

Model: LS-4800

Specifications  
Material: Body: Plastic  
Clamp: Steel  
Feature: Positive clicking

Clamp diameter:  
1" (25.4 mm)

Mounting position:  
Top tube

Use: Trimec rear  
derailleur and freewheel  
Weight: 9.3 ozs. (265 gms.)

Other: This shifter can also be used for the  
Mighty-click derailleur and the PT-5100  
freewheel.

# SEALED BOTTOM BRACKET

## SEALED BOTTOM BRACKET

Model: SA-100, SA-110, SA-190, SA-160  
SS-100, SS-110, SS-190, SS-160



**Specifications**  
Features: Double sealed mechanism,  
Chain-line adjust mechanism  
Thread: BC 1.37" x 24T (English)  
Fitting lug width: 68~70 mm  
Other: French size, Italian size are available.

## DIRECT SEALED BOTTOM BRACKET

Model: DS-200, DS-220, DS-210,  
DS-230



**Specifications**  
Features: Double sealed mechanism, Chain-line  
adjust mechanism  
Thread: BC 1.37" x 24T (English)  
Fitting lug width: 68~70 mm  
Use category: BMX & Mountain bike

## S.B.B. HANGER ADAPTER

Model: SA-200



**Specifications**  
Material: Light alloy (Adapter)  
Cr-Mo (Bolts)  
Use: For American type B.B. shell only  
Adapter dimension: 51.4 mm  
Thread: BC 1.37" x 24T  
Shell width: 68~70 mm  
Weight: 3.9 ozs. (110 gms.)

Model No.	Taper size	Type	Material	Axle length	Chain-line	Weight
SA-100	Superbe	Track	Bearing cup	108	42mm	9.6ozs.(273gms.)
SA-110		Double	Lock ring Sleeve	117	43.5mm	10.0ozs.(285gms.)
SA-190	Vx	Double	(Aluminum alloy)	117	43.5mm	10.0ozs.(285gms.)
SA-160		Tripe	Axle (Cr-Mo steel)	126	43~45mm	10.5ozs.(299gms.)
SS-100	Superbe	Track	Bearing cup	108	42mm	12.0ozs.(340gms.)
SS-110		Double	Lock ring (steel)	117	43.5mm	12.5ozs.(353gms.)
SS-190	Vx	Double	Axle (Cr-Mo steel)	117	43.5mm	12.5ozs.(353gms.)
SS-160		Tripe	Axle (Cr-Mo steel)	126	43~45mm	12.9ozs.(367gms.)

Model No.	Taper size	Type	Material	Axle length	Chain-line	Weight
DS-200	Vx	BMX	Bearing cup	126	41.75mm	12.8ozs.(365gms.)
DS-220		Mountain (Tripe)	Lock ring (Aluminum alloy)	130	43~45mm	13.1ozs.(372gms.)
DS-210		BMX	Bearing cup	126	41.75mm	15.5ozs.(440gms.)
DS-230		Mountain (Tripe)	Locking (steel) Axle (Cr-Mo)	130	43~45mm	16.7ozs.(475gms.)

## COASTER BRAKE

### COASTER BRAKE

Model: CB-5000



**Specifications**  
Material: Body, Axle: Steel  
Chain: 1/2" x 1/8"  
Sprocket: 16, 18, 19, 20T  
Lock nut-to-lock nut dimension: 4-9/32"  
(109 mm)  
Axle length: 6" (152 mm), 6-3/8" (162 mm),  
6-11/16" (170 mm)  
Spoke drilling: 20H, 28H, 36H  
Spoke size: 12#, 13#, & 14#  
(12# gauge is only 36H)  
Axle thread: 3/8" x 24T  
Weight: 34.0 ozs. (965 gms.)

/With 18T sprocket

Other: Sprockets are interchangeable with  
3speed hub

## 3 SPEED HUB & TRIGGER LEVER



### 3SPEED HUB

Model: TH-1000

**Specifications**  
Material: Body, Axle: Steel  
Chain: 1/2" x 1/8"  
Sprocket: 16, 18, 19, 20T  
Lock nut-to-lock nut dimension: 4-3/8"  
(110.9 mm)

Spoke drilling: 36H  
Axle thread: 3/8" x 26T (English)  
Weight: 40.6 ozs. (1150 gms.)  
Other: Sprockets are interchangeable with  
coaster brake



### BUTTON TYPE LEVER

Model: LS-4900

**Specifications**  
Material: Body: Steel/Chrome finish  
Cover: Plastic  
Type: Push button type/3speed hub only  
Clamp diameter: 7/8" (22.2 mm)  
Mounting position: Handle-bar  
Weight: 3.9 ozs. (111 gms.)



### TRIGGER LEVER

Model: TL-2000

**Specifications**  
Material: Body: Steel/Chrome finish  
Cover: Plastic  
Type: Positive clicking/3speed hub only use  
Clamp diameter: 7/8" (22.2 mm)  
Mounting position: Handle-bar  
Weight: 2.3 ozs. (65 gms.)

# DROPOUTS

## GS

Model: EF-101  
 Specifications  
 Material: Forged steel  
 Type: Road, Touring  
 Thickness: 6 mm  
 Fork end clearance: 9 mm  
 Weight: 2.0ozs. (59gms.)



## GS-III

Model: EF-170  
 Specifications  
 Material: Forged steel  
 Type: Road  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 5.6ozs. (160 gms.)  
 (wheel stop and nut)

## GT

Model: EP-101  
 Specifications  
 Material: Forged steel  
 Type: Road, Touring  
 Thickness: 6 mm  
 Fork end clearance: 9 mm  
 Weight: 2.3 ozs. (65 gms.)



## GT-III

Model: EF-200  
 Specifications  
 Material: Forged steel  
 Type: Road  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 6.0 ozs. (170 gms.)  
 Option: Axle stopper

## SDB

Model: EF-121  
 Specifications  
 Material: Forged steel  
 Type: Road, Touring  
 Thickness: 6 mm  
 Fork end clearance: 9 mm  
 Weight: 1.7 ozs. (49 gms.)



## GS-VI

Model: EF-180  
 Specifications  
 Material: Forged steel  
 Type: Road  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 5.6ozs. (160gms.)  
 (Wheel stop and nut)



## GT-D

Model: EP-140  
 Specifications  
 Material: Steel  
 Type: Touring  
 Thickness: 6 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 5.8ozs. (158gms.)



## SD-G

Model: EF-210  
 Specifications  
 Material: Forged steel  
 Type: Touring  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 4.5ozs. (129 gms.)



## GT-IV

Model: EF-140  
 Specifications  
 Material: Forged steel  
 Type: Road  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 5.6 ozs. (160 gms.)  
 Option: Axle stopper



## SD-H

Model: EF-220  
 Specifications  
 Material: Forged steel  
 Type: Touring  
 Thickness: 7 mm  
 Fork end clearance: 10 mm  
 Drop dimension: 29 mm  
 Weight: 4.2 ozs. (121 gms.)

## AXLE STOPPER SET

Model: LA-100

Specifications  
 Material: Steel/Chromium plating  
 Use: GT rear ends  
 Weight: 0.3 ozs. (8 gms.)

# ACCESSORY



## TRAVEL AXLE

Model: QR-180

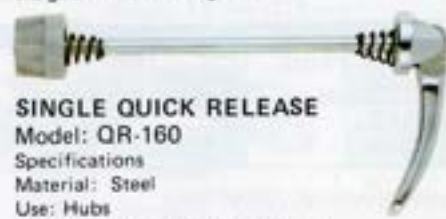
Specifications  
 Material: Bushing, Lock nut: Aluminum alloy  
 Quick release: Steel  
 Lock nut-to-lock nut dimension:  
 Front 100 mm  
 Rear 120 mm, 126 mm  
 Weight: 13.3 ozs. (376 gms.) Pair



## DUAL QUICK RELEASE

Model: QR-150

Specifications  
 Material: Steel  
 Use: Hubs  
 Lock nut-to-lock nut dimension: 100 mm  
 Feature: Safety lock mechanism  
 Weight: 3.0 ozs. (86 gms.)



## SINGLE QUICK RELEASE

Model: QR-160

Specifications  
 Material: Steel  
 Use: Hubs  
 Lock nut-to-lock nut dimension:  
 96-100 mm 120 mm 124-126 mm  
 Weight: 2.5 ozs. (72 gms.)/96-100 mm



## QUICK RELEASE Model: QR-120

Specifications  
 Material: Steel  
 Use: Seat clamp  
 Thread: M6 x 1, MB x 1  
 Useful shank length: 22-35 mm (M6 x 1)  
 9-23 mm, 16-30 mm  
 18-34 mm, 28-44 mm  
 (MB x 1)  
 Weight: 2.5 ozs. (72 gms.)/M6 x 1

NO.	MODEL NO.	DESCRIPTION	CLAMP DIAMETER	MATERIAL	WEIGHT
1	WL-130	Cable guide for Superbe-Tech	16.4mm	Steel	0.4ozs. (12gms.)
2	OS-100	Outer cable stopper (Double)	1-1/8" (28.6mm)	Steel	0.7ozs. (20gms.)
3	OS-110	Outer cable stopper (Single)	1-1/8" (28.6mm)	Steel	0.6ozs. (18gms.)
4	OS-120	Outer cable stopper (for chain-stay)	5/8" (15.9mm)	Steel	0.3ozs. (8gms.)
5	WL-110	Cable guide (Single)	1-1/8" (28.6mm)	Steel	0.7ozs. (21gms.)
6	WL-100	Cable guide (Double)	1-1/8" (28.6mm)	Steel	0.8ozs. (24gms.)
7	RC-101	Outer Clip (Single)	1" (25.4mm)~1 1/8" (28.6mm)	Plastic	0.1ozs. (3gms.)
8	RC-103	Outer Clip (Double)	1" (25.4mm)~1 1/8" (28.6mm)	Plastic	0.1ozs. (3gms.)
9	RC-105	Outer Clip (Double)	1" (25.4mm)~1 1/8" (28.6mm)	Plastic	0.1ozs. (3gms.)
10	RC-107	Outer Clip (Single)	5/8" (15.9mm)	Plastic	0.04ozs. (1gms.)
11	RC-108	Outer Clip (Single)	1/2" (12.7mm)	Plastic	0.04ozs. (1gms.)
12	RC-109	Outer Band (Single)	1/2" (12.7mm)	Plastic	0.1ozs. (3gms.)
13	RC-110	Outer Band (Single)	9/16" (14.3mm)	Plastic	0.1ozs. (3gms.)
14	RC-111	Outer Band (Single)	3/4" (19mm)	Plastic	0.1ozs. (3gms.)
15	RC-112	Outer Band (Single)	1-1/8" (28.6mm)	Plastic	0.2gms. (6gms.)
16	RC-114	Outer Band (Double)	1" (25.4mm)	Plastic	0.2gms. (6gms.)
17	RC-113	Outer Band (Double)	1-1/8" (28.6mm)	Plastic	0.2gms. (6gms.)



# SPECIAL TOOL



**MULTI STAND**  
Model: MS-100

Specifications  
Material: Steel  
/Plastic coated  
Use: Easy handling  
stand for repair work  
& display purposes.  
Weight: 28.7 ozs. (814 gms.)

## CABLE GUIDE

Model: WL-135

Specifications  
Material: Steel  
Use: For superbe-Tech rear derailleurs only  
Braze-on position: Bottom of chain-stay  
Weight: 0.2 ozs. (6 gms.)

## CABLE GUIDE (For left)

Model: WL-550

Specifications  
Material: Steel  
Braze-on position: Top of B.B. lug  
Weight: 0.4 ozs. (12 gms.)

## CABLE GUIDE (For right)

Model: WL-500

Specifications  
Material: Steel  
Braze-on position: Top of B.B. lug  
Weight: 0.2 ozs. (6 gms.)

## OUTER CABLE STOPPER

Model: OS-500

Specifications  
Material: Steel  
Braze-on position: Top of chain-stay  
Weight: 0.1 ozs. (3 gms.)

## DERAILLEUR GUARD

Model: DG-100

Specifications  
Material: Steel/Chrome finish  
Use: Rear derailleur protection  
Weight: 4.4 ozs. (125 gms.)

## DERAILLEUR GUARD

Model: DG-200

Specifications  
Material: Steel/Chrome finish  
Use: Rear derailleur protection  
Weight: 2.4 ozs. (67 gms.)

## DERAILLEUR GUARD

Model: DG-400

Specifications  
Material: Steel/Chrome finish  
Use: TRIMEC rear derailleur only  
Weight: 3.9 ozs. (110 gms.)



**REMOVER**  
Model: TA-250

Specifications  
Material: Forged steel/Black finish  
Use: Micro lite freewheel, Removal tool  
Weight: 1.4 ozs. (39 gms.)



**REMOVER Model: TA-100**

Specifications  
Material: Forged steel  
/Black finish  
Use: Boss type multiple  
freewheel, Removal tool  
Weight: 1.5 ozs. (42 gms.)



**REMOVER Model: TA-101**

Specifications  
Material: Forged steel/Black finish  
Use: Freewheel and single  
freewheel, Removal tool  
Weight: 3.4 ozs. (95 gms.)



**REMOVER Model: TA-103**

Specifications  
Material: Forged steel  
/Black finish  
Use: EZ off freewheel,  
Removal tool  
Weight: 3.9 ozs. (110 gms.)



**T WRENCH**  
Model: TA-270

Specifications  
Material: Cr-Mo/Chromium plating  
Use: For tension pulley nut  
Ohter: With 5 mm, 6 mm allen key  
Weight: 3.0 ozs. (85 gms.)



**BEARING  
REMOVER**  
Model:  
TA-340

Specifications  
Material: Steel  
Use: Only use sealed bearing hub  
Weight: 1.7 ozs. (50 gms.)

## FREEWHEEL & HUB VICE

Model:  
TA-120

Specifications  
Material: Steel/Black finish & Uni chromium  
plating  
Weight: 7.2 ozs. (204 gms.)



**WIRE CUTTER  
WITH CRIMPER**  
Model: TA-110

Specifications  
Material: Steel  
/Black finish  
Use: Inner cable & Outer  
casing cutting  
Weight: 4.0 ozs. (113 gms.)



**CHAIN TOOL Model: TA-330**

Specifications  
Material: Steel/Uni chromium plating  
Weight: 4.7 ozs. (132 gms.)



**SPROCKET REMOVER**

Model: TA-130  
Specifications  
Material: Steel/Black finish  
Weight: 12.2 ozs. (346 gms.)



**SPROCKET REMOVER**

(Use for ULTRA-6 only)  
Model: TA-131  
Specifications  
Material: Steel/Black finish  
Weight: 11.3 ozs. (319 gms.)



**HUB ADJUSTING SPANNER**

Model: TA-260  
Specifications  
Material: Steel/Chromium plating  
Use: Sealed bearing hub  
Head lock up nut  
Weight: 3.7 ozs. (105 gms.)



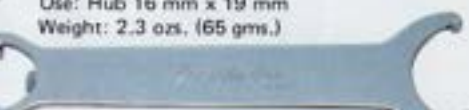
**ADJUSTING WRENCH**

(Use for NEW WINNER and MICRO LITE only)  
Model: TA-180  
Specifications  
Material: Steel/Black finish  
Weight: 3.9 ozs. (110 gms.)



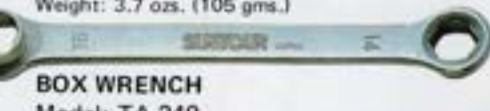
**HUB SPANNER**

Model: TA-210  
Specifications  
Material: Steel/Black finish  
Use: Hub 16 mm x 19 mm  
Weight: 2.3 ozs. (65 gms.)



**SEALED BB SET  
ADJUSTING TOOL**

Model: TA-230  
Specifications  
Material: Steel/Chromium plating  
Use: Sealed B.B. set  
Weight: 3.7 ozs. (105 gms.)



**BOX WRENCH**

Model: TA-240  
Specifications  
Material: Steel/Chromium plating  
Use: 14 mm/15 mm Hexagon Bolts and Nuts  
Weight: 3.1 ozs. (88 gms.)

# ORIGINAL GOODS



## HANDLEBAR BAG

Model: PE-3000

Specifications  
Material: Nylon,  
Plastic

Size:  
210 x 130 x 290 mm  
Color: Blue & Red



## QUICK BAG (PAT. PED.)

Model: PE-2500



Specifications  
Material: Nylon (Celspun)  
Size: 300 x 140 x 240 mm  
Color: Blue

## TEAM BAG (PAT. PED.)

Model: PE-2400

Specification  
Material: Nylon  
(Celspun)

Size: 480 x 300  
x 260 mm  
Color: Blue



## 2WAY SHOULDER

Model: PE-2600

Specifications  
Material: Nylon (Celspun)  
Size: 230 x 80 x 300 mm  
Color: Blue



## BIKE BAG

Model: PE-1400



Specifications  
Material: Nylon  
Size: 1080 x 700 x 230 mm  
Color: Blue

## TAIL BAG

Model: PE-3100



Specifications  
Material: Nylon,  
Plastic  
Size:  
200 x 140 x 120 mm  
Color: Blue & Red



## WATER BOTTLE

Model: PE-1200



Specifications  
Material:  
Polyathylene  
Capacity: 500 cc  
Color: Blue  
& Red



## WHEEL COVER

Model: PE-1500

Specifications  
Material: Stretch nylon  
Fitting wheel size: 27"  
Color: Blue

**HEAD BAND**  
Model: PE-2100



Specifications  
Material: Cotton  
Size: One size fits all  
Color: Blue & Red

**CYCLING CAP**  
Model: PE-1300



Specifications  
Material: Cotton  
Size: One size fits all  
Color: Red & Orange stripe

**RACING JERSEY**  
Model: PE-1600



Specifications  
Material: Acryl  
Size: S, M, L, LL  
Color: Red & Orange stripe

**WALLET**  
Model: PE-2300



Specifications  
Material: Nylon  
Size: 100 x 100 mm  
Color: Blue & Red

**BANDANA**  
Model: PE-2200



Specifications  
Material: Cotton  
Size: 520 x 520 mm  
Color: Blue & Red

**RACING SHORTS**

Model: PE-1700

Specifications  
Material: Nylon  
Size: S, M, L, LL  
Color: Black



**APRON**  
Model: PE-1800  
Specifications  
Material: Cotton  
Size: One size fits all  
Color: Red

"Colors shown in this catalogue may vary slightly from actual product colors due to printing inaccuracies"





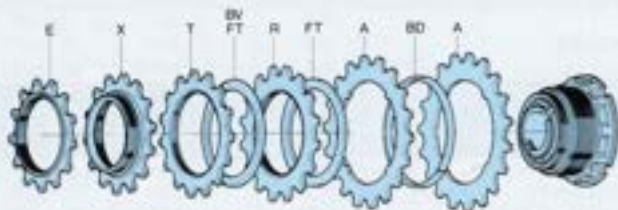
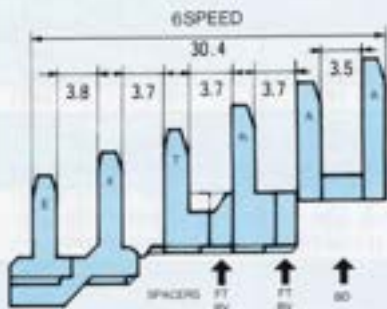
## New Winner Specifications

### NEW WINNER FREEWHEEL 6-SPEED

Model: NW-6000

Top ← E X T R A A → Low

1st	2nd	3rd	SP	4th	SP	5th	SP	6th
E13	X14	T15	BV	R16	FT	A17	BD	A18
E14	X15	T16	FT	R17	FT	A18	BD	A19
E15	X16	T17	FT	R18	FT	A19	BD	A20
		T18	FT	R19	FT	A20	BD	A21
		T19	FT	R20	FT	A21	BD	A22
				R21	FT	A22	BD	A23
						A23	BD	A24
						A24	BD	A25
						A25	BD	A26
						A26	BD	A28
						A28	BD	A30
						A30	BD	A32

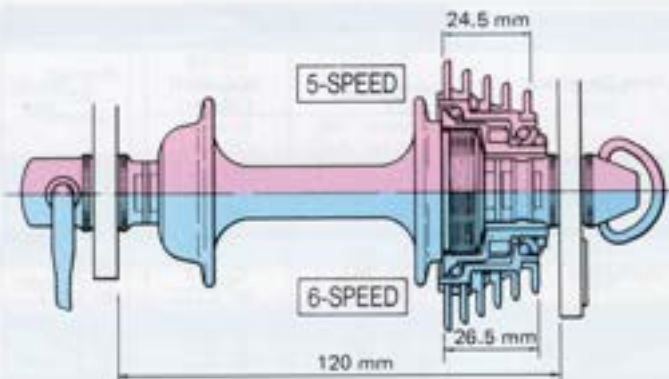
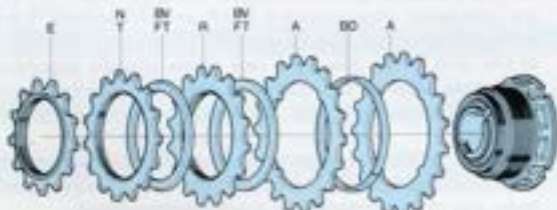
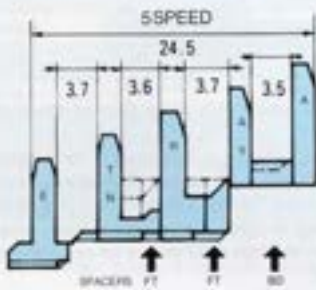


### NEW WINNER FREEWHEEL 5-SPEED

Model: NW-5000

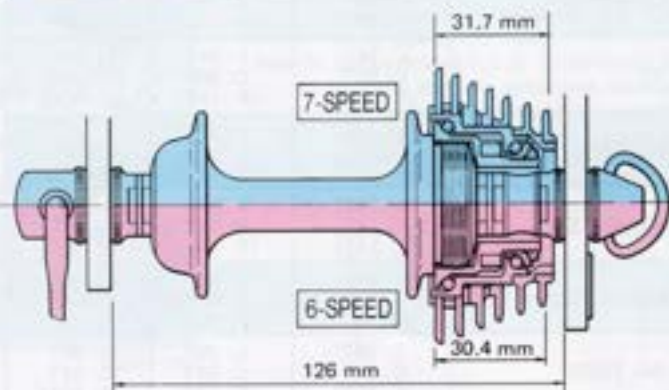
Top ← E N T R V A A → Low

1st	2nd	SP	3rd	SP	4th	SP	5th
E13	N14	—	R15	BV	V16	—	A17
E14	T15	BV	R16	FT	A17	BD	A18
E15	T16	FT	R17	FT	A18	BD	A19
	T17	FT	R18	FT	A19	BD	A20
	T18	FT	R19	FT	A20	BD	A21
	T19	FT	R20	FT	A21	BD	A22
			R21	FT	A22	BD	A23
					A23	BD	A24
					A24	BD	A25
					A25	BD	A26
					A26	BD	A28
					A28	BD	A30
					A30	BD	A32



Relationship between freewheel, chain & hub

Freewheel size	Hub size (Lock nut-to-lock nut dim.)	Chain
5-speed (Regular size)	120 mm	Ultra-6 or Regular
6-speed (Ultra size)		Ultra-6



Relationship between freewheel, chain & hub

Freewheel size	Hub size (Lock nut-to-lock nut dim.)	Chain
7-speed (Ultra size)	126 mm	Ultra-6
6-speed (Regular size)		Ultra-6 or Regular



Rear Derailleur	Largest Rear Cogs & Gear Capacity		
	Dropout SPB (27mm)	Dropout GT-GS-SDG-SDH (29mm)	Bracket GT (33mm)
	Regular (26 Bracket mm)	Bracket (29mm)	
SUPERBE PRO	L: 23T C: 26T (F: 16T)	L: 25T C: 26T (F: 14T)	L: 27T C: 26T (F: 12T)
SUPERBE	L: 25T C: 26T (F: 14T)	L: 27T C: 26T (F: 12T)	L: 29T C: 26T (F: 10T)
CYCLONE-S	L: 24T C: 28T (F: 17T)	L: 26T C: 28T (F: 15T)	L: 28T C: 28T (F: 13T)
CYCLONE-W	L: 26T C: 30T (F: 17T)	L: 28T C: 30T (F: 15T)	L: 30T C: 30T (F: 13T)
CYCLONE-GT	L: 28T C: 34T (F: 19T)	L: 30T C: 34T (F: 17T)	L: 32T C: 34T (F: 15T)
LePREE	L: 26T C: 30T (F: 17T)	L: 28T C: 30T (F: 15T)	L: 30T C: 30T (F: 13T)
LePREE-GT	L: 28T C: 34T (F: 19T)	L: 30T C: 34T (F: 17T)	L: 32T C: 34T (F: 15T)
XC	L: 34T C: 38T (F: 18T)	L: 34T C: 38T (F: 18T)	L: 34T C: 38T (F: 18T)
SUPERBE TECH	L: 26T C: 28T (F: 16T)	L: 28T C: 28T (F: 14T)	L: 30T C: 28T (F: 12T)
MOUN TECH	L: 34T C: 34T (F: 14T)	L: 34T C: 34T (F: 14T)	L: 34T C: 34T (F: 14T)
MOUN TECH-GTL	L: 34T C: 38T (F: 18T)	L: 34T C: 38T (F: 18T)	L: 34T C: 38T (F: 18T)
AG TECH	L: 38T C: 34T (F: 10T)	L: 38T C: 34T (F: 10T)	L: 38T C: 34T (F: 10T)
AG TECH-GTL	L: 38T C: 38T (F: 14T)	L: 38T C: 38T (F: 14T)	L: 38T C: 38T (F: 14T)
CYCLONE-MII	L: 26T C: 28T (F: 15T)	L: 26T C: 28T (F: 15T)	L: 30T C: 28T (F: 11T)

Rear Derailleur	Largest Rear Cogs & Gear Capacity		
	Dropout SPB (27mm)	Dropout GT-GS-SDG-SDH (29mm)	Bracket GT (33mm)
	Regular (26 Bracket mm)	Bracket (29mm)	
CYCLONE-MII GT	L: 34T C: 34T (F: 13T)	L: 34T C: 34T (F: 13T)	L: 34T C: 34T (F: 13T)
ARX	L: 26T C: 28T (F: 15T)	L: 26T C: 28T (F: 15T)	L: 30T C: 28T (F: 11T)
ARX-GT	L: 28T C: 34T (F: 19T)	L: 30T C: 34T (F: 17T)	L: 32T C: 34T (F: 15T)
AR	L: 26T C: 30T (F: 18T)	L: 28T C: 30T (F: 16T)	L: 30T C: 30T (F: 14T)
AR-GT	L: 28T C: 34T (F: 20T)	L: 30T C: 34T (F: 18T)	L: 32T C: 34T (F: 16T)
SEVEN	L: 26T C: 30T (F: 18T)	L: 28T C: 30T (F: 16T)	L: 30T C: 30T (F: 14T)
SEVEN-GT	L: 28T C: 34T (F: 20T)	L: 30T C: 34T (F: 18T)	L: 32T C: 34T (F: 16T)
HONOR	L: 30T C: 30T (F: 14T)	L: 30T C: 30T (F: 14T)	# L: 28T C: 30T (F: 16T)
GT	L: 32T C: 34T (F: 16T)	L: 34T C: 34T (F: 14T)	# L: 34T C: 34T (F: 14T)
VOLANTE	L: 24T C: 21T (F: 11T)	L: 26T C: 22T (F: 10T)	L: 28T C: 23T (F: 9T)
* TRIMEC	L: 24T C: 30T (F: 20T)	L: 26T C: 30T (F: 18T)	X
* TRIMEC-S	L: 28T C: 14T (F: single)	X	X
* MIGHTY CLICK	L: 30T C: 16T (F: single)	X	X

#uses a special bracket

L=Largest freewheel sprocket,

C=Total gear capacity (Chaining tooth differential + freewheel sprocket tooth differential)

F=Maximum chaining tooth differential when the total gear capacity is at maximum



Note 1: Exceeding the "F" limit will result in a reduction of the total gear capacity.

Note 2: Largest freewheel sprocket "L" shown in this table is for a standard spaced 5 speed or an ultra 6 speed freewheel, each of which requires 31 mm for the "D" hub dimension. If you are using a standard spaced 6 speed or ultra 7 speed freewheel, where the correct "D" dimension on the hub is 37 mm, you can increase the "L" size by 1 or 2 teeth. (Exception: Trimec and Trimec-S)

Note 3: Largest freewheel sprocket and gear capacity shown in this table are calculated using standard hub/frame dimensions. Variances in these calculations can be caused by changes in the placement of the axle in the dropouts, rear frame triangle alignment, the "D" dimension of the rear hub, the chainstay length, or the distance between the rear derailleur's mounting bolt and the hub axle.

Note 4: \*Denotes a "Click system" derailleur. X indicates an unfavorable combination and consequent reduction in shifting performance. Use of X combinations is not recommended.

Note 5: The GT bracket is not available for the Honor and GT rear derailleurs.



## Proper Length of Spoke for Wheel Building

Spoke drilling & Number of cross	Hub	Large flange type hub			Small flange type hub		
	Rim	Model ADX-1	Model ADX-4	Model 16B	Model ADX-1	Model ADX-4	Model 16B
20H (2X)		296	—	—	—	—	—
24H (2X)		290	291	—	292	293	—
28H (3X)		297	298	303	301	302	304
32H (3X)		295	296	300	298	299	302
36H (3X)		291	292	294	295	296	300
36H (4X)		300	301	304	303	304	306
20-36H (Radial)		272	273	277	284	285	288

\*Courtesy: ARAYA Ind. All size are millimeters

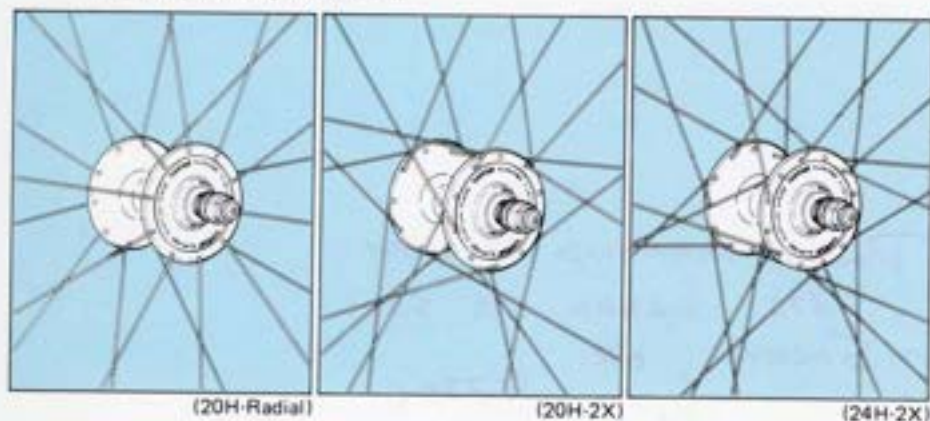
Note 1: This table is for ARAYA AERO #1 (Model: ADX-1), Aero #4 (Model: ADX-4) and Model: 16B. If you are using another type of rim, the spoke length required may be different.

Note 2: For ARAYA ADX-2 rims, reduce the spoke length shown for the ADX-1 rims by 2 mm.

Note 3: 1 mm should be added to spoke lengths shown for the left flange of rear track hubs. However, this would not apply to rear track hubs with ball races outboard of their left flanges, such as Superbe Pro and Sprint hubs.

Note 4: 2 mm should be subtracted from shown spoke lengths for the free-wheel side of rear hubs.

Note 5: Spoke drilling P.C.D. (Pitch Circle Diameter) and the dimension between the flanges differ depending upon the manufacturer and model. The spoke length also differs slightly depending upon the manufacturer and model. Therefore, please note that the figures in this table may not be applicable in all cases.



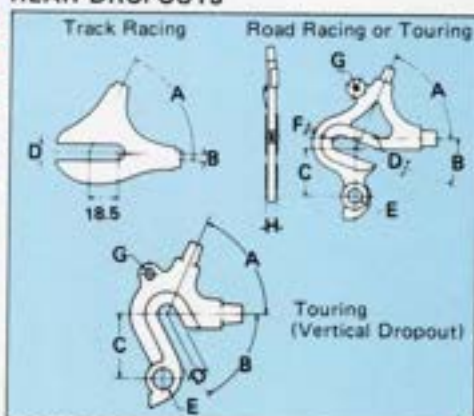
## Dropouts Specifications

### REAR DROPOUTS

Model	Type	A	B	C	D	E	F	G	H	Forged & Pressed
SUPERBE-PRO	Road	70°	15°	27	10	M10x1	M3x0.5	—	7	Forged
SUPERBE	Track	69°30'	5°	—	10	—	—	—	5	Pressed (Ground for precision)
GS-III	Road & Touring	67°	15°	29	10	M10x1	M3x0.5	M5x0.8	7	Forged
GS-VI	Road & Touring	67°	15°	29	10	M10x1	—	M5x0.8	7	Forged
SDG	Road & Touring (Vertical Dropout)	69°	70°	29	10	M10x1	—	M5x0.8x2	7	Forged
SDH	Road & Touring (Vertical Dropout)	69°	70°	29	10	M10x1	—	M5x0.8	7	Forged
GT-III	Road & Touring	67°	15°	29	10	M10x1	—	M5x0.8x2	7	Forged
GT-IV	Road & Touring	67°	15°	29	10	M10x1	—	M5x0.8	7	Forged
GT-D	Road & Touring	65°	20°	30	10	M10x1	—	M5x0.8	5	Pressed

\*Axle stopper screw & nut can be used on GT-III, GT-IV and GT-D Models.

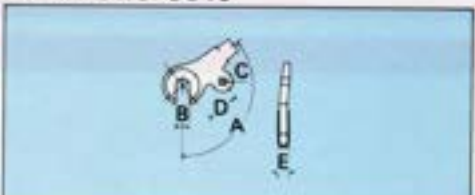
### REAR DROPOUTS



### FRONT DROPOUTS

Model	Type	A	B	C	D	E	Forged or Pressed
SUPERBE-PRO	Road	135°	9	—	—	6	Forged
SUPERBE	Track	130°	8	—	—	6	Forged
GS	Road & Touring	130°	9	M5x0.8	20	6	Forged
GT	Road & Touring	130°	9	M5x0.8	20	6	Forged
SDG	Road & Touring	130°	9	—	—	6	Forged

### FRONT DROPOUTS





**SUNTOUR**

SunTour U.S.A., Inc.

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MAEDA INDUSTRIES, LTD.

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