



The Original And Best
Since 1902

In 1888, Sir Frank Bowden purchased a bicycle factory in Raleigh Street, Nottingham, England.

He was approached by Henry Sturney, a journalist and an engineer, James Archer. Both had ideas about the design of a 3-speed hub and this resulted in 1902 in the world's first patent for a 3-speed internal hub gear.

That tradition continues in this new catalogue, containing the 2009-2010 product range.

www.sturmey-archer.com

www.sturmey-archerheritage.com



Henry Sturney



James Archer



Aluminum 90mm Drum Brake Hubs



XL-FD

XL-SD

XL-FDD

New Aluminum 90mm Front & Side Drum Brake Hubs:

-  XL-FD Front Hub.
-  XL-SDs (Q/S/C) Left and Right Side Hubs.
-  XL-FDDs (HSD93/92) 3.0W/2.4W Dynohubs.

2009 New Products



XL-RD5 [W]

XL-RD3

New Aluminum 90mm Rear Drum Brake Hubs:

-  XL-RD5 [W] 5-Speed Wide Ratio.
-  XL-RD3 3-Speed.



XL-RD5 [W]



X-RF5 [W]



X-RD5 [W]



S-RF5 [W]

New S50(W) Series additions of Aluminum Wide Ratio 5-Speed Hubs:

-  XL-RD5(W) 5-Speed 90mm Drum Brake Hub.
-  X-RD5(W) 5-Speed 70mm Drum Brake Hub.
-  X-RF5(W) 5-Speed Hub (Large Shell).
-  S-RF5(W) 5-Speed Hub (Small Shell).



SL-S3X



S3X



FCT



HBT

New S3X Series of Fixed Gear components:

-  SLS3X (B/T/P) Shift Levers with multi-position mounting options.
-  S3X 3-Speed Fixed Gear Hub in Aluminum Shell.
-  HBT Front Matching Hub.
-  FCT Cranksets for Fixed Gear or Track.

Shifters

Chain Tensioners

2009 New Products



SL-S50



DL-S52



SL-W5N



SL-S3C

New Wide Ratio 5-Speed and 3-Speed Shifters:

▄ SLS50 (B/T) Shift Lever with Aluminum Lever/Body.

▄ SLW5N Shift Lever with luxurious finish.

▄ DLS52 Dual Lever Shifter with display.

▄ SLS3C Classic Trigger with new finish.



CT-S8X [B]



CT-S8X [S]



CT-S80

New Chain Tensioners:

▄ CTS8X Made of Forged 6061 Link, Aluminum CNC Cage, 7075 Bracket Bolt, and 7075 Pulleys with Cartridge Bearings.

▄ CTS80 Made of Forged 6061 Link, Aluminum Cage, 7075 Bracket Bolt, and Engineering Polymer Pulleys.

XL-FDD X-FDD
Sturmey Archer

Dynohub Drum Brake

P.7



580 (W)

8 Speed Hubs

P.9



550(W), 555(W)

5 Speed Hubs

P.12



C30

Rotary 3 Speed Hubs

P.15



530, 535

Classic 3 Speed Hubs

P.18



53X

Fixed Gear

P.23



Drum Brake Hubs

Front, Rear, and Side Hubs

P.27



Front Cranksets

FCS, FCT

P.28



Parts

P.31



Specifications

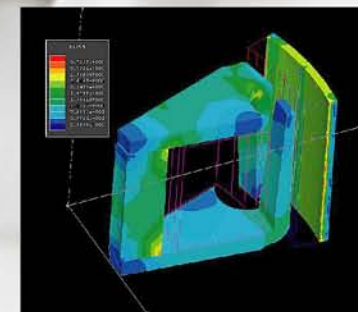
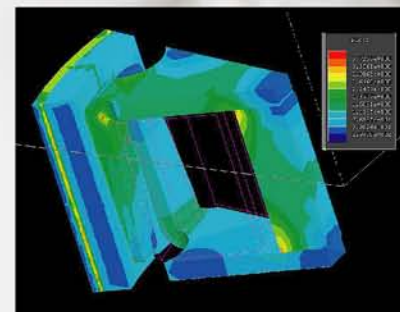
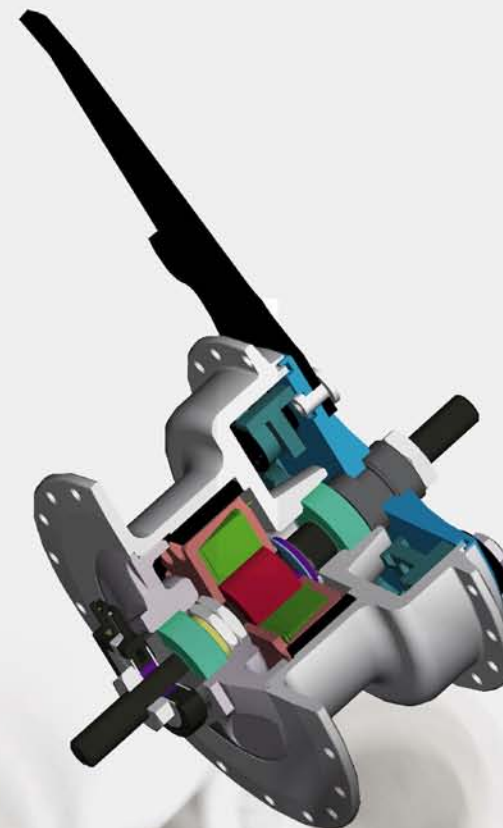
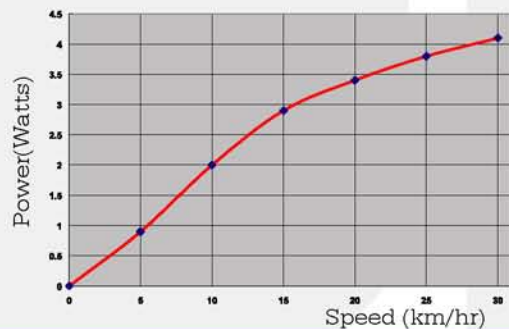
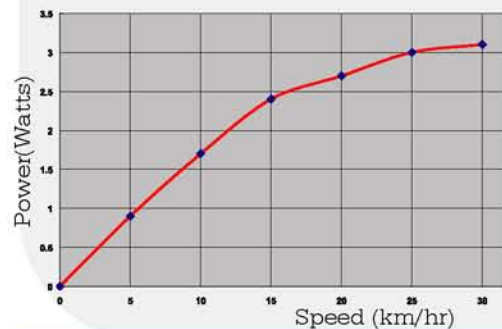
P.40

- World's first integrated dynohub & drum brake.
- New 90mm drum brake dynohub available.
- 70mm drum brake dynohub version available.
- 2.4W and 3.0W versions available in both drum brake sizes.
- Totally sealed against weather conditions.
- Constructed with sealed cartridge bearings.
- Low rolling resistance.

Output of 2.4 W Hub Dynamo



Output of 3.0 W Hub Dynamo



XL-FDD
Sturmeier Archer

X-FDD
Sturmeier Archer

Dynohub Drum Brake



XL-FDD 6V*3.0W
HDS93T
90mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



XL-FDD 6V*2.4W
HDS92T
90mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



X-FDD 6V*3.0W
HDS31T
70mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



X-FDD 6V*2.4W
HDS21T
70mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



HMN386
3899.0000.096
HMN414 [Xylan]
3899.0000.240



HMW527
3809.0405.078

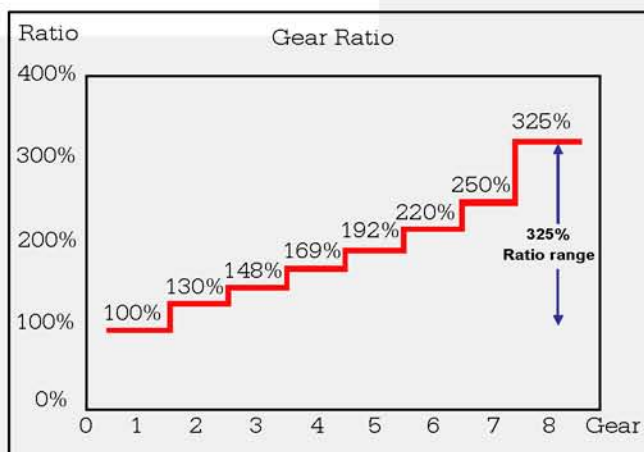
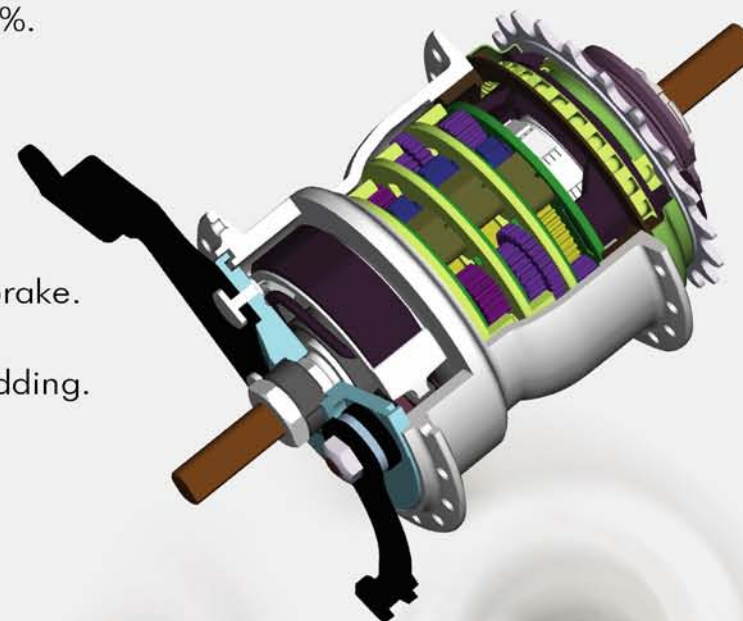


HMW528
3809.0405.081



Washer 1/16"
HMW146
3809.0405.012

- 8-speed with wide gear ratio of 325%.
- Logical gear steps of 30%, 14%, 14%, 14%, 14%, 14%, 30%.
- New polished aluminum hub shells.
- Patented modular technology.
- Rotary gear selector with no protrusions outside the frame.
- Quick and easy gear change with low change load.
- Direct drive in 1st gear allows use of smaller chainwheels.
- Available also with integrated drum brake or use with disk brake.
- Twist shifter with light action and small rotating angle.
- Brake lever integrated with replaceable cartridge rubber padding.



580 [W]

| 8 Speed Hubs



TSS82
HSJ955



CTS8X [B]



CTS8X [S]



BLS80
R/L



CTS80



X-RD8 [W]
8 Speed
70mm Drum Brake Hub



X-RK8 [W]
8 Speed
Disk Brake Hub



X-RF8 [W]
8 Speed Hub

580[W]**8 Speed Parts**

Dust Cap
HSL882
3809.0805.032



25T CP 1/8" Dished
HSL822
CSIMW25D



23T CP 1/8" Dished
HSL821
CSIMW23D



20T CP 3/32" Flat
HSL897
CSIMN20F



Sprocket Circlip
HSL880[Xylan]
3809.0707.003

25T CP 3/32" Dished
HSL867
CSIMN25D

23T CP 3/32" Dished
HSL868
CSIMN23D



HSL802
3899.0000.163



Fulcrum Lever
HSJ956
3810.0110.002



Fulcrum Lever Clip
HSJ957
3810.0110.001



Dome Nut
HMN412[Xylan]
3899.0000.242



Lock Washer
13/32" x 6mm x 9.7mm
HMW534[Xylan]
3809.0410.003



Lock Washer
13/32" x 4mm x 9.5mm
HMW529[Xylan]
3809.0407.015

Fitting Sets

HFXW8HSSSO



HSL882



HSJ956



HSJ957



HSL880



HMN412 (x 2)



HMW529 (x 2)

HFXW8VSSSO



HSL882



HSJ956



HSJ957



HSL880



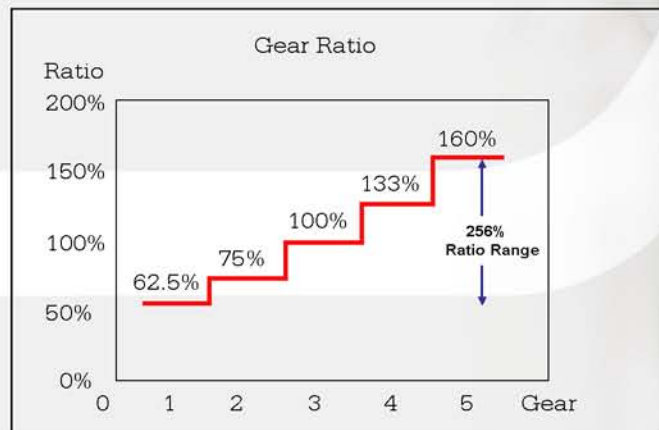
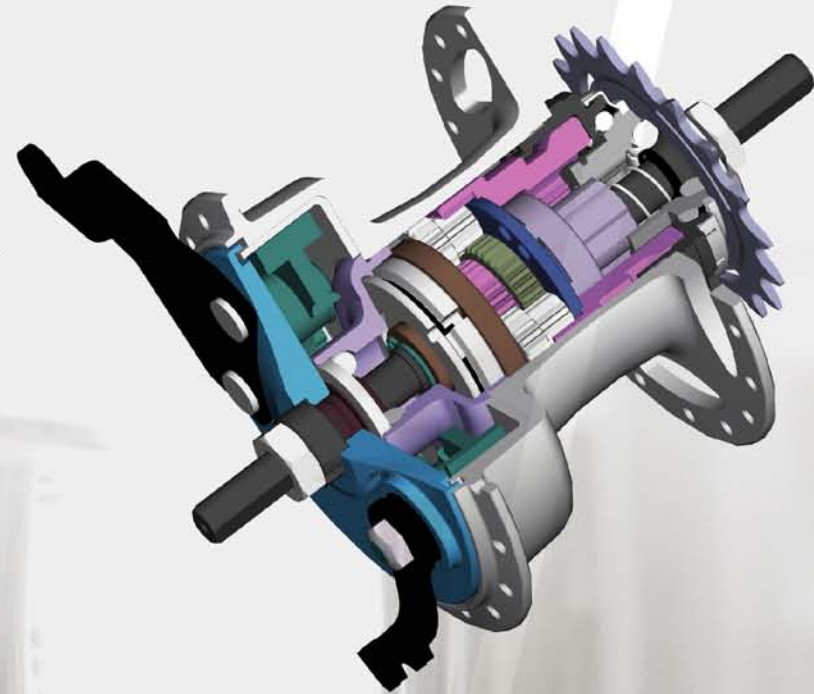
HMN412 (x 2)



HMW534 (x 2)

S50[W]**S55[W]****Features of S50[W] / S55[W]**

- 5-speed with wide gear ratio of 256%.
- Gear steps of 20%, 33%, 33%, 20%.
- New integrated 90mm and 70mm drum brake hub in aluminum.
- EN approved coaster brake in aluminum or steel shells.
- New thumb shifters available.
- New trigger shifter available.
- Light action twist shifter now compatible with all 5-speeds.



550(W)

| 5 Speed Alloy



DLS52
HSJ958



XL-RD5 [W]
5 Speed
90mm Drum Brake Hub



X-RC5 [W]
5 Speed
Coaster Brake Hub



X-RF5 [W]
5 Speed Hub



TSS55
HSJ952



X-RD5 [W]
5 Speed
70mm Drum Brake Hub



S-RC5 [W]
5 Speed
Coaster Brake Hub



S-RF5 [W]
5 Speed Hub

555(W)

| Steel



SLS50-B
HSJ960
5 Speed Bar End



SLS50-T
HSJ959
5 Speed Thumbie



SLW5N
HSJ968
Thumb Shifter



S5C [W]
5 Speed
Coaster Brake Hub

550 [W]**555 [W]****5 Speed Parts**

Gear Selector Guide Full Cover
HSA620
3810.0505.019



Fulcrum Lever With Locating Washer
HSJ905
3810.0105.011



Lock Washer
13/32" x 4mm x 9.5mm
HMW518
3809.0405.091



Lock Washer
13/32" x 2mm x 9.5mm
HMW526
3809.0405.058



Cover for Short Guide Nut
HSL884
3810.0505.028



Guide Nut - Short
HMN420
3809.0225.003



Gear Selector Guide
HSA650
3899.0000.384



Nut
HMN128
3809.0205.006



HMN411[Xylan]
3809.0212.011



Mark Yellow
HSA585
3810.0605.026



Mark Green
HSA651
3810.0605.028



Sprocket Circlip
HSL721
3809.0705.005



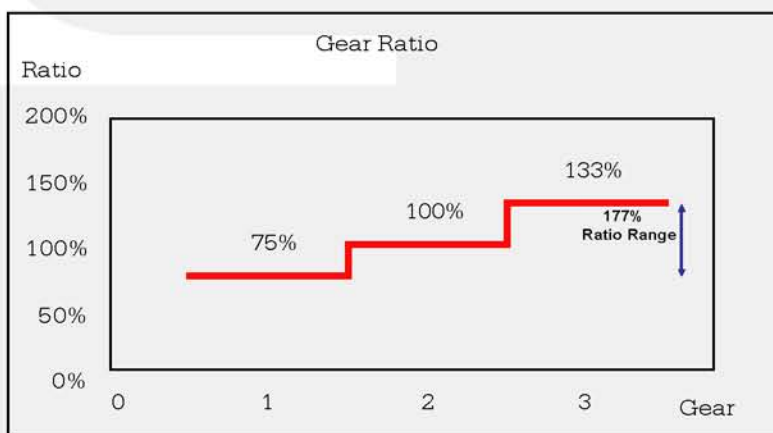
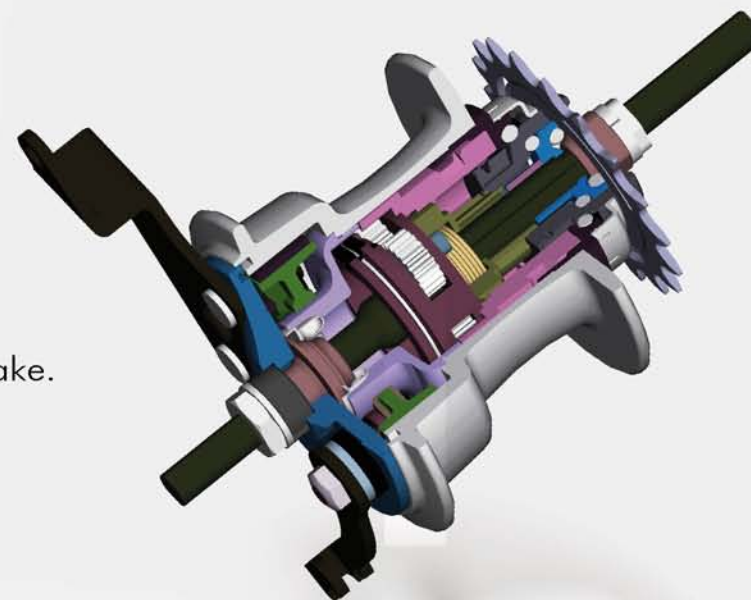
Sprocket Options
(Page 35)

Dome Nut
HMN388
3899.0000.095
HMN412[Xylan]
3899.0000.242

Fitting Sets

HFIS5YSSS0	HSA585	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS5YSSS0	HSA585	HSL879	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)
HFIS5GSSS0	HSA651	HSL721		HMN420	HSL884		HMN128	HMW526 (x 2)

- 3-speed with standard gear ratio of 177%.
- Gear steps of 33% and 33%.
- Rotary gear selector with no protrusions outside the frame.
- Available as standard hub or with integrated 70mm drum brake.
- Aluminum shells.
- Twist shifter and trigger shifter option.





DLC34
HSJ940



TSS34
HSJ931



RX-RD3
3 Speed
70mm Drum Brake Hub



RS-RF3
3 Speed Hub

C30**Rotary 3 Speed Parts**

HSL802
3899.0000.163



HSL872
3899.0000.204



Sprocket Circlip
HSL721
3809.0705.005
HSL879[Xylan]
3809.0707.002



17T
HSL828[Black]
HSL827[CP]
HSL826[Xylan]
CSISW17P



Fulcrum Lever Set
HSJ932
3899.0000.190



Tool
HTR137
3810.0590.001



HMN406
3809.0205.045
HMN417[Xylan]
3809.0212.005



Lock Washer
3/8" x 4mm x 9.5mm
HMW530[Xylan] HMW521
3809.0407.002 3809.0405.043



HMN387
3899.0000.097
HMN413[Xylan]
3899.0000.241

Fitting Sets

HFIC3SSSS0
HFXC3SSSS0



HSJ932
HSJ932



HMN406
HMN417



HSL721
HSL879

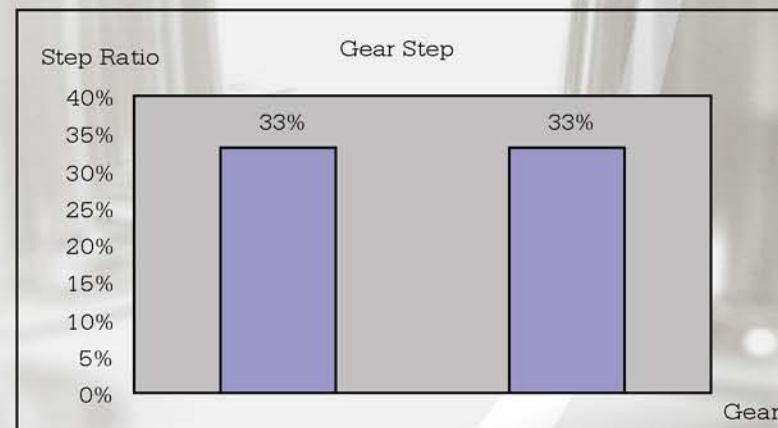
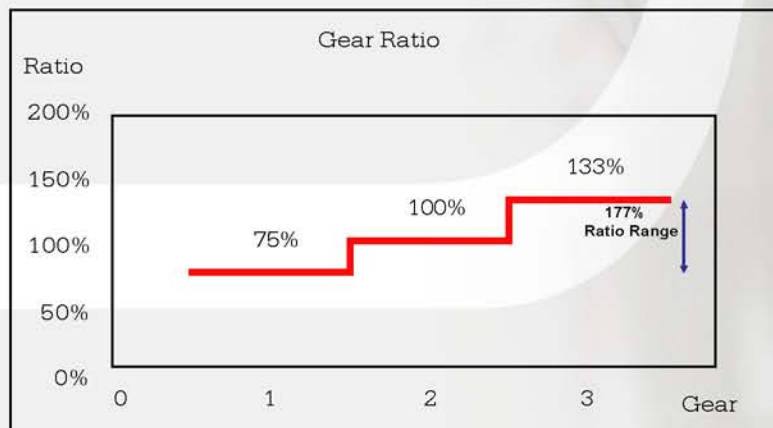
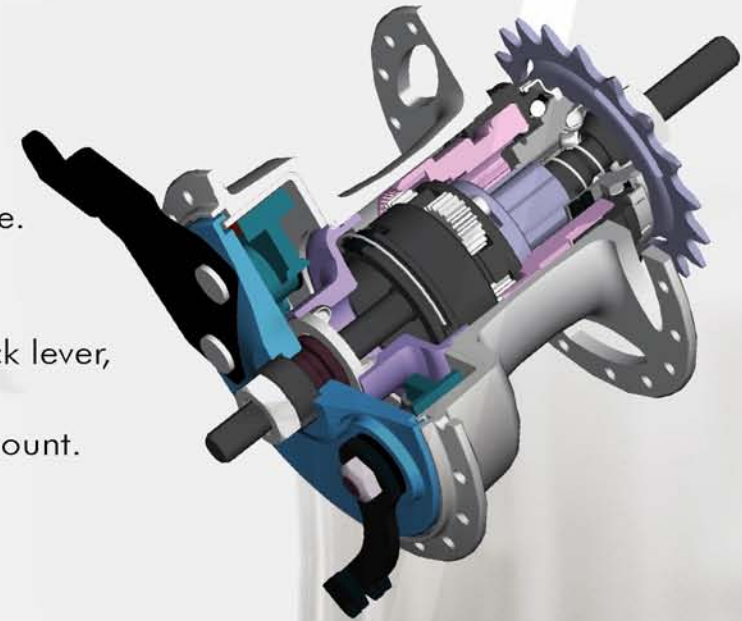


HMW521 (x 2)
HMW530 (x 2)



HMN387 (x 2)
HMN413 (x 2)

- Classic 3-speed with standard gear ratio of 177%.
- Gear steps of 33% and 33%.
- New 90mm integrated drum brake in aluminum shell.
- Available as standard hub, integrated 90mm & 70mm drum brake.
- EN approved coaster brake.
- Available in aluminum or steel hub shells.
- Wide selection of gear controls including thumb, trigger, twist, stick lever, and bar end shifters.
- New aluminum thumb shifters for bar end, flat bar, or seat post mount.



S30

3 Speed Alloy



SLS30-B
HSJ966
Bar End Shifter



SLS30-T
HSJ965
Thumbie



DLS30
HSJ943



TSS33
HSJ939



XL-RD3
3 Speed
90mm Drum Brake Hub



X-RD3
3 Speed
70mm Drum Brake Hub



TSS31
HSJ927



S-RC3 [II]
3 Speed
Coaster Brake Hub



S-RF3
3 Speed Hub



SLS3C
HSJ762
Classic Trigger



SLS3N
HSJ823
Thumb Shifter



AB3
3 Speed
90mm Drum Brake Hub



SAB3
3 Speed
70mm Drum Brake Hub



AWC [II]
3 Speed
Coaster Brake Hub



AW
3 Speed Hub

SX**TS****QS**

SX-RK3
3 Speed
Disk Brake Hub



SX-RB3
3 Speed
Band Brake Hub



TS-RF3
3 Speed Hub



TS-RC3
3 Speed
Coaster Brake Hub



QS-RC5
5 Speed
Reversible
Coaster Brake Hub



QS-RC3
3 Speed
Reversible
Coaster Brake Hub



CLS31
HSJ944



CLS30
HSJ945



CLS3S
HSJ946



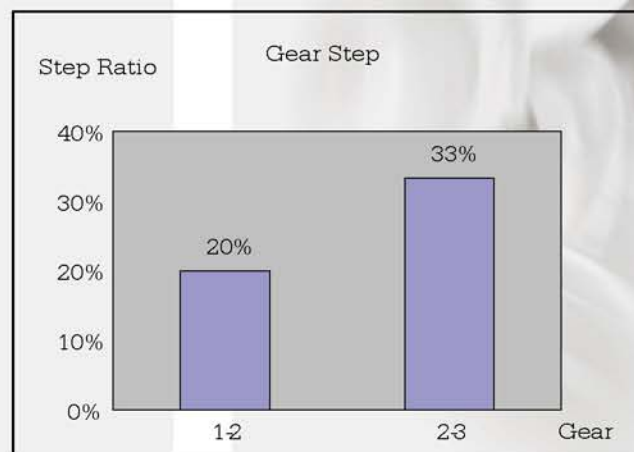
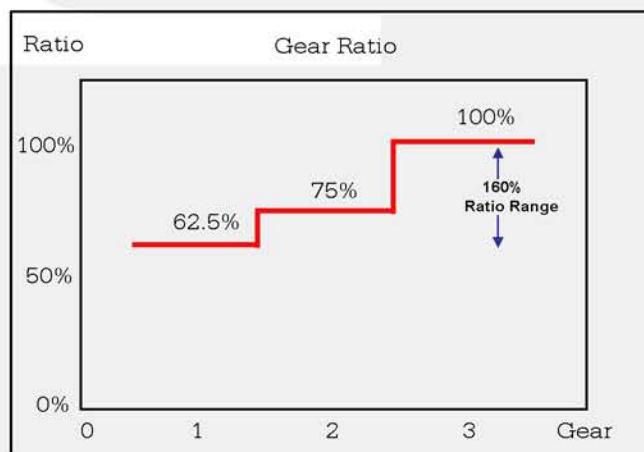
CLS3M
HSJ947




Sprocket Options (Page 35)
Fitting Sets

								 
HFIS32SSS0	HSA126	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518(x 2)
HFXS32SSS0	HSA126	HSL879	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529(x 2)
								 
HFIS33SSS0	HSA315	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS33SSS0	HSA315	HSL879	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)
								 
HFIS34SSS0	HSA316	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS34SSS0	HSA316	HSL879	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)
								 
HFIS35SSS0	HSA420	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS35SSS0	HSA420	HSL879	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)

- 3-speed fixed gear with close gear ratio of 160%.
- Gear steps of 20% and 33%.
- Threaded driver compatible for non-fixed 3-speed conversion with standard single speed freewheel.
- Polished and anodized aluminum shell in option colors.
- Aluminum lock-ring and spacers achieve chain lines of 42, 43, 44, and 45mm.
- 1/8" sprocket available from 12~18T in chrome plated finish.
- 3/32" sprocket available with 12 & 13T in chrome plated finish.
- Aluminum thumb shifter for bar end, flat bar, or seat post mount.
- Matching track style chainwheels in 130mm or 144mm PCD from 42~48T.
- Matching track style front hub that is polished and anodized in option colors.





SLS3X-B
Bar End



SLS3X-T
Thumbie



HBT
Front Hub



S3X
3 Speed
Fixed Gear Hub

S3X

Fixed Gear 3 Speed



S3X Gold
3 Speed
Fixed Gear Hub



S3X Black
3 Speed
Fixed Gear Hub



S3X Blue
3 Speed
Fixed Gear Hub



S3X Purple
3 Speed
Fixed Gear Hub



FCT40 Series
(Page 30)



FCT20 Series
FCT10 Series
(Page 30)



CNX46
Fixed Gear Chain



Mark Orange
HSA652
3810.0605.029



Mark White
HSA653
3810.0605.030



Guide Nut - Short
HMN420
3809.0225.003



Dust Cap
HSL701
3809.0810.001



Lock-Ring
HSL896
3809.0812.005



Sprocket Spacer



Sprocket



Lock Washer
13/32" x 4mm x 9.5mm
HMW518
3809.0405.091
HMW529 [Xylan]
3809.0407.015



Nut
HMN128
3809.0205.006
HMN411 [Xylan]
3809.0212.011



Dome Nut
HMN388
3899.0000.095
HMN412 [Xylan]
3899.0000.242

Sprocket Spacer 2mm (12T Only)	HMW536	3809.0406.009
Sprocket Spacer 3mm (12T Only)	HMW535	3809.0406.010
Sprocket Spacer 2mm (13~18T)	HMW538	3809.0406.011
Sprocket Spacer 3mm (13~18T)	HMW537	3809.0406.012

Sprockets 1/8" x 1/2" 12T Flat	HSL886	CSIXW12F
Sprockets 1/8" x 1/2" 13T Flat	HSL887	CSIXW13F
Sprockets 1/8" x 1/2" 14T Flat	HSL888	CSIXW14F
Sprockets 1/8" x 1/2" 15T Flat	HSL889	CSIXW15F
Sprockets 1/8" x 1/2" 16T Flat	HSL890	CSIXW16F
Sprockets 1/8" x 1/2" 17T Flat	HSL891	CSIXW17F
Sprockets 1/8" x 1/2" 18T Flat	HSL892	CSIXW18F
Sprockets 3/32" x 1/2" 12T Flat	HSL893	CSIXN12F
Sprockets 3/32" x 1/2" 13T Flat	HSL894	CSIXN13F

Drum Brake Hubs



XL-FD
90mm Front
Drum Brake Hub



X-FD
70mm Front
Drum Brake Hub



BF
90mm Front
Drum Brake Hub



SBF
70mm Front
Drum Brake Hub

Front & Rear



X-RDC
70mm Rear
Drum Brake for Cassettes
Q[Quick-Release]
S[Nutted]



X-RD
70mm Rear
Drum Brake for Freewheel

Drum Brake Hubs



XL-SD [Q]
THH90 L
90mm Left
Drum Brake Hub
Q[QR Axle Type]



XL-SD [Q]
THH90 R
90mm Right
Drum Brake Hub
Q[QR Axle Type]



XL-SD [S/C]
THH80 L
90mm Left
Drum Brake Hub
S[Solid Axle 130mm]
C[Solid Axle 100mm]



XL-SD [S/C]
THH80 R
90mm Right
Drum Brake Hub
S[Solid Axle 130mm]
C[Solid Axle 100mm]



X-SD [Q]
THH60 L
70mm Left
Drum Brake Hub
Q[QR Axle Type]



X-SD [Q]
THH60 R
70mm Right
Drum Brake Hub
Q[QR Axle Type]



X-SD [S/C]
THH50 L
70mm Left
Drum Brake Hub
S[Solid Axle 130mm]
C[Solid Axle 100mm]



X-SD [S/C]
THH50 R
70mm Right
Drum Brake Hub
S[Solid Axle 130mm]
C[Solid Axle 100mm]

Left & Right Side

XL-SD Hub Shell Assy. (w/ 6001-ZZ x2)	HSB 520	3899.0000.406
90mm Left Brake Plate Assy. (w/ QR Base)	HSB 519	3899.0000.405
90mm Right Brake Plate Assy. (w/ QR Base)	HSB 518	3899.0000.404
Quick Release Axle	HSL 819	3809.0205.058

XL-SD Hub Shell Assy. (w/ 6001-ZZ x2)	HSB 520	3899.0000.406
90mm Left Brake Plate Assy.	HSB 517	3899.0000.403
90mm Right Brake Plate Assy.	HSB 516	3899.0000.402
Inner Washer	HMW 531	3809.0405.037
Outer Washer	HMW 533	3809.0405.036
130 mm Solid Axle	HSL 881	3805.0205.030
100 mm Solid Axle	HSL 885	3805.0205.029
M12 Nut	HMN421	3809.0205.124
M12 Nut w/ Non-Slip	HMN422	3809.0205.119

X-SD Hub Shell Assy. (w/ 6001-ZZ x2)	HSB 500	3899.0000.123
70mm Left Brake Plate Assy. (w/ QR Base)	HSB 514	3899.0000.354
70mm Right Brake Plate Assy. (w/ QR Base)	HSB 515	3899.0000.355
Quick Release Axle	HSL 819	3809.0205.058

X-SD Hub Shell Assy. (w/ 6001-ZZ x2)	HSB 500	3899.0000.123
70mm Left Brake Plate Assy.	HSB 510	3899.0000.122
70mm Right Brake Plate Assy.	HSB 509	3899.0000.119
Inner Washer	HMW 531	3809.0405.037
Outer Washer	HMW 533	3809.0405.036
130 mm Solid Axle	HSL 881	3805.0205.030
100 mm Solid Axle	HSL 885	3805.0205.029
M12 Nut	HMN421	3809.0205.124
M12 Nut w/ Non-Slip	HMN422	3809.0205.119

Front Cranksets



FCS80 30T
FCS81 33T
[Aluminum I-Crank]



FCS50 33T
FCS51 36T
FCS52 38T
[Aluminum I-Crank]

FCS32
[CGs]



FCS30 33T
FCS31 36T
FCS32 38T
[Aluminum A-Crank]

FCS52
[CGs]



FCS70 42T Steel w/ Steel CGs.
FCS71 42T Aluminum w/ Aluminum OCG and Steel ICG.
FCS72 44T Steel w/ Steel CGs.
FCS73 44T Steel w/ Aluminum OCG and Steel ICG.
FCS74 44T Aluminum w/ Aluminum OCG and Steel ICG.
[SCM435 Bolts & Nuts]



FCS7S 42T w/Steel CG.
FCS7B 42T w/ Aluminum CG.
[Aluminum I-Crank]

Front Cranksets



FCSS1 54T
[Double/Chain Guard]



[Black]



FCSS2 56T
[Single Chain Guard]



[Black]
[CNC Option]



FCT42 42T [6061 Forged Alloy Crank]
FCT44 44T [Polished Anodized Finish]
FCT46 46T [PCD 144mm]
FCT48 48T [7075 Chainring]
[7075 Bolts & Nuts]



[Black]



FCT22 42T
FCT24 44T
FCT26 46T
FCT28 48T
[6061 Forged Alloy Crank]
[Polished Anodized Finish]
[PCD 130mm]
[7075 Chainring]
[SCM435 Bolts & Nuts]



[Black]

FCT12 42T
FCT14 44T
FCT16 46T
FCT18 48T
[6061 Forged Alloy Crank]
[Sandblast Anodized Matt Black Finish]
[PCD 130mm]
[7075 Chainring]
[SCM435 Bolts & Nuts]

Parts

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p.32



p.38



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p.36



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Nuts | Washers

Front Hub



M9

XL-FD X-FD
XL-FDD X-FDD



Hex15

HMN386
3899.0000.096
HMN414[Xylan]
3899.0000.240



Hex14

HMN409
3809.0205.098



HMW528
3809.0405.081



Washer 1/16"
HMW146
3809.0405.012



Washer 1/8"
HMW129
3809.0405.016

Front Hub

3/8"
BF SBF



Hex15

HMN387
3899.0000.097



Hex14

HMN401
3809.0205.044



Hex15

HMN118
3809.0205.018

Rear Hub

RS-RF3
RX-RD3

HMN413[Xylan]
3899.0000.241

HMN416[Xylan]
3809.0212.020

Rear Hub



13/32"

All Rear Hubs
[Excluding C30
Rotary Series]



Hex15

HMN388
3899.0000.095
HMN412[Xylan]
3899.0000.242



Hex15

HMN385
3809.0205.025



Hex15

HMN128
3809.0205.006
HMN411[Xylan]
3809.0212.011

5/3 Speed Parts

Indicators

3 Speed



Mark I
HSA125
3810.0605.019



Mark II
HSA126
3810.0605.020



Mark III
HSA315
3810.0605.021



Mark IV
HSA316
3810.0605.022



Mark V
HSA420
3810.0605.023



Mark VI
HSA615
3810.0605.024

5 Speed



Mark Yellow
HSA585
3810.0605.026



Mark Green
HSA651
3810.0605.028



Mark Blue
HSA317
3810.0605.025



Mark Red
HSA490
3810.0605.027

Cable Anchorage & Adjusters



HSL759
3899.0000.098



HSJ925
3899.0000.166



HSJ954
3899.0000.353(Aluminum)

HSJ926
3899.0000.152 (Slotted)

Shifter Cable/Casing Set



Twist Shifter
HSJ887 (1420mm)



Nimbus Shifter
HSJ802 (1400mm)



Orion Shifter
HSJ887 (1420mm)



Classic Trigger
HSJ102 (1420mm)
HSJ101 (530mm)



5/3 Speed Parts



Indicator Guard
HSL711
3810.0505.002



Guide Nut-Standard
HMN129
3809.0205.005
HMN418[Xylan]
3809.0217.002



Guide Nut - Short
HMN420
3809.0225.003



Gear Selector Guide Full Cover
HSA620
3810.0505.019



Gear Selector Guide
HSA650
3899.0000.384



Fulcrum Lever
HSJ842
3810.0105.012



Fulcrum Lever with Locating Washer
HSJ905
3810.0105.011



Nut
HMN128
3809.0205.006
HMN411[Xylan]
3809.0212.011



Locating Washer
HSJ929
3810.0105.008

Sprocket Teeth	22	21	20	19	18	17	16	15	14	13
Sprocket Thickness 1/8" Deep Dished	 Black	 CP	 Xylan			 HSL828 [Black] HSL827 [CP] HSL826 [Xylan] CSISW17P				
Dished	 HSL722 [Black] HSL830 [CP] HSL829 [Xylan] CSISW22D	 HSL747 [Black] HSL832 [CP] HSL831 [Xylan] CSISW21D	 HSL720 [Black] HSL834 [CP] HSL833 [Xylan] CSISW20D	 HSL719 [Black] HSL836 [CP] HSL835 [Xylan] CSISW19D	 HSL718 [Black] HSL838 [CP] HSL837 [Xylan] CSISW18D	 HSL717 [Black] HSL840 [CP] HSL839 [Xylan] CSISW17D				
Flat				 HSL781 [Black] HSL842 [CP] HSL841 [Xylan] CSISW19F	 HSL818 [Black] HSL844 [CP] HSL843 [Xylan] CSISW18F	 HSL772 [Black] HSL846 [CP] HSL845 [Xylan] CSISW17F	 HSL716 [Black] HSL848 [CP] HSL847 [Xylan] CSISW16F	 HSL715 [Black] HSL850 [CP] HSL849 [Xylan] CSISW15F	 HSL714 [Black] HSL852 [CP] HSL851 [Xylan] CSISW14F	 HSL713 [Black] HSL854 [CP] HSL853 [Xylan] CSISW13F
Sprocket Thickness 3/32" Dished				 HSL776 [Black] HSL858 [CP] HSL857 [Xylan] CSISN19F	 HSL775 [Black] HSL860 [CP] HSL859 [Xylan] CSISN18D	 HSL774 [Black] HSL862 [CP] HSL861 [Xylan] CSISN17D				
Flat						 HSL773 [Black] HSL864 [CP] HSL863 [Xylan] CSISN16F				



5/3 Speed Parts

Sprocket Fittings



Sprocket Circlip
HSL721
3809.0705.005
HSL879[Xylan]
3809.0707.002



Plastic Sprocket Dustcap
HSL871
3809.0805.025

Lockwasher For Chain Adjuster



13/32" x 6mm x 9.7mm
HMW534[Xylan]
3809.0410.003



13/32" x 4mm x 9.5mm
HMW518
3809.0405.091
HMW529[Xylan]
3809.0407.015



13/32" x 1.8mm x 9.5mm
HMW515
3809.0405.002



13/32" x 2mm x 9.5mm
HMW526
3809.0405.058



3/8" x 4mm x 9.5mm
HMW521
3809.0405.043
HMW530[Xylan]
3809.0407.002

Brake Cable Assembly



900mm
HSK730
BSD050900BA0
[SBF, X-FD, XL-FD, X-FDD, XL-FDD]



1600mm
HSK736
BSD051600BA0
[SAB3, AB3, AB5, X-RD, X-RD3, XL-RD3, X-RD5, XL-RD5, X-RD8]



Brake Adjuster Assembly
HSB422
3899.0000.154
[SBF, SAB3, AB3, AB5, X-FD, XL-FD, XL-FDD, X-RD3, XL-RD3, X-RD5, XL-RD5, X-RD8]



Pinch Bolt
HSK715
3899.0000.124



900mm
HSK740
BSD010900BA0
[BF]



Brake Adjuster Assembly
HSB307
3899.0000.172
[BF]



Brake Arm Clips

Front Brake Arm Clips



17.5mm(11/16")
HSL702
3899.0000.106



22.2mm(7/8")
HSL703
3899.0000.107



Rubber Sleeve
HSL770
3810.0505.005

Rear Brake Arm Clips



15.9mm(5/8")
HCB101
3899.0000.133



15.5mm
HSL767
3899.0000.115



15.9mm(5/8")
HSL768
3899.0000.112



22.2mm(7/8")
HSL769
3899.0000.116



17.0mm
HSL791
3899.0000.150



19.1mm(3/4")
HSL761
3899.0000.174

Fulcrum Clips & Pulleys

Fulcrum Clips



Top tube and Down tube



22.2mm (7/8")
HSJ513
3899.0000.175
include HSJ515



25.4mm (1")
HSJ512
3899.0000.100
include HSJ515



28.6mm (1-1/8")
HSJ514
3899.0000.176
include HSJ515

Chainstay and Backstay



15.9mm (5/8")
HSJ553
3899.0000.102



17.5mm (11/16")
HSJ548
3899.0000.101



19.1mm (3/4")
HSJ753
3899.0000.103



15.9mm (5/8")
HSJ775
3899.0000.108
include HSJ515



Fulcrum Sleeve
HSJ515
3810.0505.003

Pulleys

Top tube and Down tube



28.6mm (1-1/8")
HSJ521
3899.0000.105



25.4mm (1")
HSJ520
3899.0000.104

Rear Drum Brake Hubs

Model Name	XL-FDD		X-FDD	
Model No.	HDS93TBSSAA2	HDS92TBSSAA2	HDS31TBSSAA2	HDS21TBSSAA2
Voltage	6V	6V	6V	6V
Output	3.0W	2.4W	3.0W	2.4W
Brake Type	90mm Drum Brake		70mm Drum Brake	
Hub Shell Material	A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge		Sealed Cartridge	
Hub Axle Diameter	9mm		9mm	
Hub Axle Length	140mm	140mm	140mm	140mm
Over Locknut Dimension	100mm	100mm	100mm	100mm
Spoke Holes	36H	36H	36H	36H
Pitch Circle Diameter	109.0mm	109.0mm	89.8mm	89.8mm
Flange Width	55mm	55mm	58mm	58mm
Offset	1.7 mm	1.7 mm	0mm	0mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	1,350g	1,350g	1,220g	1,220g

Specifications

Shifters

Shifters 8-Speed Twist

Model No.	TSS82 R8 (S)	TSS82 R8 (A~U)
Sales No.	HSJ955	n/a
Type	Twist	
Speeds	8-Speed Wide Ratio (W)	
Cable Adjuster	●	
Cyclop Display	●	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SUS302 Stainless Steel	
Cable Type	Slick-Stainless	
Cable Length	2,050mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	77.5g	n/a

Shifters 5-Speed Trigger

Model No.	DLS52 R5 (S)	DLS52 R5 (A~U)
Sales No.	HSJ958	n/a
Type	Dual Lever Trigger	
Speeds	5-Speed Wide Ratio (W)	
Cable Adjuster	●	
Clamp Fastening Screw	SCM435 Chromoly	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Galvanized	
Cable Length	2,050mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	155.5g	n/a

Shifters 5-Speed Twist Shifter

Model No.	TSS55 R5 (S)	TSS55 R5 (A~U)
Sales No.	HSJ952	n/a
Type	Twist	
Speeds	5-Speed Wide Ratio (W)	
Cable Adjuster	×	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	2,050mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	77.5g	n/a

Shifters 5-Speed Thumb

Model No.	SLS50 R5T (S)	SLS50 R5T (A~U)	SLS50 R5B (S)	SLW5N R5 (S)	SLW5N R5 (A~U)
Sales No.	HSJ959	n/a	HSJ960	HSJ968	n/a
Type	(T) Thumbie		(B) Bar End	Thumb	
Speeds	5-Speed Wide Ratio (W)			5-Speed Wide Ratio (W)	
Cable Type	Slick-Galvanized			Slick-Galvanized	
Cable Length	1,950mm	×	1,950mm	1,950mm	×
OEM Pre-Assembled	×	●	×	×	●
Pre-Assembled Cable Adjuster	×	●	×	×	●
Pre-Assembled Indicator Connector	×	●	×	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP	×	×	SP
Weight	77g	n/a	96g	54g	n/a

Shifters 3-Speed Trigger [C30]

Model No.	DLC34 R3 (S)	DLC34 R3 (A~U)
Sales No.	HSJ940	n/a
Type	Dual Lever Trigger	
Speeds	3-Speed (C30 Series Only)	
Cable Adjuster	●	
Clamp Fastening Screw	SCM435 Chromoly	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Galvanized	
Cable Length	2,050mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	155.5g	n/a

Shifters 3-Speed Twist [C30]

Model No.	TSS34 R3 (S)	TSS34 R3 (A~U)
Sales No.	HSJ931	n/a
Type	Twist	
Speeds	3-Speed (C30 Series Only)	
Cable Adjuster	●	
Cyclop Display	●	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SUS302 Stainless Steel	
Triangular Cover Screw	SUS302 Stainless Steel	
Cable Type	Slick-Stainless	
Cable Length	1,900mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	80.5g	n/a

Shifters 3-Speed Trigger

Model No.	DLS30 R3 (S)	DLS30 R3 (A~U)
Sales No.	HSJ943	n/a
Type	Dual Lever Trigger	
Speeds	3-Speed	
Cable Adjuster	●	
Clamp Fastening Screw	SCM435 Chromoly	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Galvanized	
Cable Length	2,050mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Indicator Connector	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	155.5g	n/a

Shifters 3-Speed Twist

Model No.	TSS33 R3 (S)	TSS33 R3 (A~U)	TSS31 R3 (S)	TSS31 R3 (A~U)
Sales No.	HSJ939	n/a	HSJ927	n/a
Type	Twist		Twist	
Speeds	3-Speed		3-Speed	
Cable Adjuster	×		×	
Clamp Material	A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly		×	
Cable Type	Galvanized		Galvanized	
Cable Length	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	●
Pre-Assembled Cable Adjuster	×	●	×	●
Pre-Assembled Indicator Connector	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP	×	2SP
Weight	61.5g	n/a	63.5g	n/a

Shifters 3-Speed Thumb

Model No.	SLS30 R3T (S)	SLS30 R3T (A~U)	SLS30 R3B (S)	SLS3C R3 (N)	SLS3C R3 (A~U)	SLS3N R3 (S)	SLS3N R3 (A~U)
Sales No.	HSJ962	n/a	HSJ963	HSJ762	n/a	HSJ823	n/a
Type	(T) Thumbie		(B) Bar End	Classic Trigger		Thumb	
Speeds	3-Speed		3-Speed	3-Speed		3-Speed	
Cable Type	Slick-Galvanized			Slick-Galvanized		Slick-Galvanized	
Cable Length	1,950mm	×	1950mm	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	×	●	×	●
Pre-Assembled Cable Adjuster	×	●	×	×	●	×	●
Pre-Assembled Indicator Connector	×	●	×	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2000mm	×	×	1,200~2000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP	×	×	2SP	×	2SP
Weight	77g	n/a	96g	67.5g	n/a	54g	n/a

Shifters 3-Speed Chopper Lever

Group	CLS			
Model No.	CLS31 R3	CLS30 R3	CLS3S R3	CLS3M R3
Type	Stick Arm Lever		Stick Arm Lever	
Speeds	3-Speed		3-Speed	
Stick Arm Material	Aluminum		Steel	Steel
Stick Arm Thickness	6mm		6mm	4mm
Stick Arm Shape	Curved		Curved	Straight
Light Weight Holes	●	×	×	●
Arm Finish	Anodized		Satin	Chrome
Cable Type	Separate		Separate	
Weight	377g	397.5g	658g	469g

Shifters 3-Speed S3X

Model No.	SLS3X R3T (S)	SLS3X R3T (A~U)	SLS3X R3B (S)	SLS3X R3B (S)
Sales No.	HSJ965	n/a	HSJ966	HSJ967
Type	(T)Thumbie		(B) Bar End	(P) Seat Post
Speeds	3-Speed		3-Speed	3-Speed
Clamp Size	22.2mm		×	27.2mm
Cable Type	Slick-Stainless			
Cable Length	1,950mm	×	1,950mm	1,950mm
OEM Pre-Assembled	×	●	×	×
Pre-Assembled Cable Adjuster	×	●	×	×
Pre-Assembled Indicator Connector	×	●	×	×
Pre-Assembled Casing Length	×	1,200~2,000mm	×	×
Pre-Assembly Casing Type	×	SP	×	×
Weight	77g	n/a	96g	80g

Specifications

Internal Gear Hubs

Internal Gear Hubs S80 (W)

Model Name		X-RD8(W)	X-RK8(W)		X-RF8(W)		
Model No.		IHW8TXBSSAA1	IHW8KXBLSAA1	IHW8KXBSSAA1	IHW8FXBLSAA1	IHW8FXBSSAA1	IHW8FXDSSAA1
Speed		8-Speed					
Type		70mm Drum Brake	Disk Brake Type		Freewheel		
Hub Shell Material		A356 Aluminum	6061 Aluminum		6061 Aluminum		
Gear Ratio	Overall Range	325%					
	1	100% Direct Drive					
	2	130% [Gear 1 (+) 30%]					
	3	148% [Gear 2 (+) 14%]					
	4	169% [Gear 3 (+) 14%]					
	5	192% [Gear 4 (+) 14%]					
	6	220% [Gear 5 (+) 14%]					
	7	250% [Gear 6 (+) 14%]					
	8	325% [Gear 7 (+) 30%]					
Axle Diameter		13/32" Slotted					
Axle Length		185mm	185mm	175mm	185mm	175mm	175mm
Over Locknut Dimension		132mm	135mm	127mm	135mm	120mm	120mm
R: Axle Protrusion Length		26mm	26mm	26mm	26mm	26mm	26mm
L: Axle Protrosion Length		27mm	24mm	22mm	24mm	29mm	29mm
Spoke Holes		36H	36H	36H	36H	36H	28H
Pitch Circle Diameter		89.8mm	89.8mm	89.8mm	89.8mm	89.8mm	89.8mm
Flange Width		74mm	55mm	55mm	55mm	55mm	55mm
Spoke Compatibility		13G & 14G	13G &14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth		20, 23, 25T	20, 23, 25T	20, 23, 25T	20, 23, 25T	20, 23, 25T	20, 23, 25T
Change Line : 1/8" Dished		43.1mm	44.5mm	40.5mm	44.5mm	37.0mm	37.0mm
Change Line : 3/32" Flat		46.6mm	48.0mm	44.0mm	48.0mm	40.5mm	40.5mm
Change Line : 3/32" Dished		43.9mm	45.3mm	41.3mm	45.3mm	37.8mm	37.8mm
Finish		Natural Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight		2,170g	1,880g	1,860g	1,790g	1,770g	1,770g

Internal Gear Hubs S50 (W)

Model Name		XL-RD5(W)	X-RD5(W)	X-RC5(W)	S-RC5(W)
Model No.		IHW5T YBSSAA0	IHW5TXBSSAA0	IHW5CXBSSAA0	IHW5CQBSSAA0
Speed		5-Speed		5-Speed	
Type		90mm Drum Brake	70mm Drum Brake	Coaster Brake	Coaster Brake
Hub Shell Material		A356 Aluminum	A356 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	256%		256%	
	1	62.5%	(-) 37.5%	62.5%	(-) 37.5%
	2	75%	(-) 25% [Gear 1 (+) 20%]	75%	(-) 25% [Gear 1 (+) 20%]
	3	100%	Direct Drive [Gear 2 (+) 33%]	100%	Direct Drive [Gear 2 (+) 33%]
	4	133.3%	(+)33.3% [Gear 3 (+) 33%]	133.3%	(+)33.3% [Gear 3 (+) 33%]
	5	160%	(+)60% [Gear 4 (+) 20%]	160%	(+)60% [Gear 4 (+) 20%]
Axle Diameter		13/32" Slotted		13/32" Slotted	
Axle Length		175mm	175mm	175mm	175mm
Over Locknut Dimension		130mm	130mm	127mm	127mm
R: Axle Protrusion Length		24mm	24mm	24mm	24mm
L: Axle Protrusion Length		21mm	21mm	24mm	24mm
Spoke Holes		36H	36H	36H	36H
Pitch Circle Diameter		109.0mm	89.8mm	89.4mm	67.0mm
Flange Width		72mm	73mm	58mm	65mm
Spoke Compatibility		13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth		13 22T	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat		50.9mm	50.9mm	49.8mm	49.8mm
Chain Line: 1/8" Dished		49.3 , 52.7mm	49.3 , 52.7mm	48.1 , 51.5mm	48.1 , 51.5mm
Chain Line: 3/32" Flat		50.6 , 51.2mm	50.6 , 51.2mm	49.4 , 50.2mm	49.4 , 50.2mm
Chain Line: 3/32" Dished		48.8 , 53.0mm	48.8 , 53.0mm	47.7 , 51.9mm	47.7 , 51.9mm
Indicators		Yellow	Yellow	Yellow	Yellow
Finish		Natural Alloy	Natural Alloy	Anodized Alloy	Anodized Alloy
Weight		1,760g	1,570g	1,630g	1,510g

Internal Gear Hubs S50 (W)

Model Name		X-RF5(W)		S-RF5(W)	
Model No.		IHW5FXBSLAA0	IHW5FXBSSAA0	IHW5FQBSSAA0	IHW5FQDCSAA0
Speed		5-Speed		5-Speed	
Type		Freewheel		Freewheel	
Hub Shell Material		6061 Aluminum		6061 Aluminum	
Gear Ratio	Overall Range	256%		256%	
	1	62.5%	(-) 37.5%	62.5%	(-) 37.5%
	2	75%	(-) 25% [Gear 1 (+) 20%]	75%	(-) 25% [Gear 1 (+) 20%]
	3	100%	Direct Drive [Gear 2 (+) 33%]	100%	Direct Drive [Gear 2 (+) 33%]
	4	133.3%	(+)33.3% [Gear 3 (+) 33%]	133.3%	(+)33.3% [Gear 3 (+) 33%]
	5	160%	(+)60% [Gear 4 (+) 20%]	160%	(+)60% [Gear 4 (+) 20%]
Axle Diameter		13/32" Slotted		13/32" Slotted	
Axle Length		175mm	175mm	175mm	148mm
Over Locknut Dimension		130mm	119mm	119mm	111mm
R: Axle Protrusion Length		24mm	24mm	24mm	19mm
L: Axle Protrusion Length		21mm	32mm	32mm	18mm
Spoke Holes		36H	36H	36H	28H
Pitch Circle Diameter		89.4mm	89.4mm	67.0mm	67.0mm
Flange Width		58mm	58mm	53mm	53mm
Spoke Compatibility		13G &14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth		13 22T	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat		51.1mm	45.6mm	45.6mm	41.6mm
Chain Line: 1/8" Dished		49.5 , 52.9mm	44.0 , 47.4mm	44.0 , 47.4mm	39.9 , 43.3mm
Chain Line: 3/32" Flat		50.8 , 51.4mm	45.3 , 45.9mm	45.3 , 45.9mm	41.3 , 41.9mm
Chain Line: 3/32" Dished		49.0 , 53.2mm	43.5 , 47.7mm	43.5 , 47.7mm	39.5 , 43.7mm
Indicators		Yellow	Yellow	Yellow	Green
Finish		Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight		1,230g	1,220g	1,090g	1,060g

Internal Gear Hubs S5S (W)

Model Name	S5C(W)		
Model No.	IHW5CWBSAA0		
Speed	5-Speed		
Type	Coaster Brake		
Hub Shell Material	Steel		
Gear Ratio	Overall Range	256%	
	1	62.5%	(-) 37.5%
	2	75%	(-) 25% [Gear 1 (+) 20%]
	3	100%	Direct Drive [Gear 2 (+) 33%]
	4	133.3%	(+)33.3% [Gear 3 (+) 33%]
	5	160%	(+)60% [Gear 4 (+) 20%]
Axle Diameter	13/32" Slotted		
Axle Length	175mm		
Over Locknut Dimension	127mm		
R: Axle Protrusion Length	24mm		
L: Axle Protrusion Length	24mm		
Spoke Holes	36 H		
Pitch Circle Diameter	65.0mm		
Flange Width	66mm		
Spoke Compatibility	14G		
Sprocket Teeth	13 22T		
Chain Line: 1/8" Flat	49.8mm		
Chain Line: 1/8" Dished	48.1 , 51.5mm		
Chain Line: 3/32" Flat	49.4 , 50.2mm		
Chain Line: 3/32" Dished	47.7 , 51.9mm		
Indicators	Yellow		
Finish	Painted Silver		
Weight	1,600g		

Internal Gear Hubs C30

Model Name		RX-RD3	RS-RF3
Model No.		IHC3TXBSSAA0	IHC3FQBSSAA0
Speed		3-Speed	
Type		70mm Drum Brake	Freewheel
Hub Shell Material		A356 Aluminum	A6061 Aluminum
Gear Ratio	Overall Range	177%	
	1	75%	(-) 25%
	2	100%	Direct Drive [Gear 1 (+) 33%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]
Axle Diameter		3/8" Slotted	
Axle Length		185mm	185mm
Over Locknut Dimension		132mm	129mm
R:Axle Protusion Length		27mm	27mm
L:Axle Protusion Length		25mm	29mm
Spocke Holes		36H	36H
Pitch Circle Diameter		89.8mm	67.0mm
Flange Width		63mm	53mm
Spocke Compatibility		13G & 14G	14G
Sprocket Teeth		17T	17T
Chain Line:3mm 17T Dished		45.6mm	41.7mm
Weight		1,400g	1,300g



Internal Gear Hubs S30

Model Name		XL-RD3	X-RD3	S-RC3	
Model No.		IHS3TYBSSAA0	IHS3TXBSSAA1	IHS3CQBLSAA3	IHS3CQBSSAA3
Speed		3-Speed		3-Speed	
Type		90mm Drum Brake	70mm Drum Brake	Coaster Brake	
Hub Shell Material		A356 Aluminum	A356 Aluminum	6061 Aluminum	
Gear Ratio	Overall Range	177%		177%	
	1	75%	(-) 25%	75%	(-) 25%
	2	100%	Direct Drive [Gear 1 (+) 33%]	100%	Direct Drive [Gear 1 (+) 33%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]	133%	(+) 33.3% [Gear 2 (+) 33%]
Axle Diameter		13/32" Slotted		13/32" Slotted	
Axle Length		177mm	163mm	175mm	163mm
Over Locknut Dimension		130mm	117mm	116mm	116mm
R: Axle Protrusion Length		26mm	23mm	30mm	26mm
L: Axle Protrusion Length		21mm	23mm	29mm	21mm
Spoke Holes		36H	36H	36H	36H
Pitch Circle Diameter		109.0mm	89.8mm	67.0mm	67.0mm
Flange Width		72mm	63mm	53mm	53mm
Spoke Compatibility		13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth		13 22T	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat		50.9mm	44.7mm	45.6mm	43.9mm
Chain Line: 1/8" Dished		49.3 , 52.7mm	43.1 , 46.5mm	44.0 , 47.4mm	42.3 , 45.7mm
Chain Line: 3/32" Flat		50.6 , 51.2mm	44.3 , 45.1mm	45.2 , 46.0mm	43.5 , 44.3mm
Chain Line: 3/32" Dished		48.8 , 53.0mm	42.6 , 46.6mm	43.5 , 47.5mm	41.8 , 45.8mm
Indicators		MK4	MK3	MK5	MK4
Weight		1,720g	1,400g	1,300g	1,290g

Internal Gear Hubs S30

Model Name	S-RF3		
Model No.	IHS3FQBLAA3	IHS3FQBSSAA3	IHS3FQDCSAA3
Speed	3-Speed		
Type	Freewheel		
Hub Shell Material	6061 Aluminum		
Gear Ratio	Overall Range	177%	
	1	75%	(-) 25%
	2	100%	Direct Drive [Gear 1 (+) 33%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]
Axle Diameter	13/32" Slotted		
Axle Length	175mm	163mm	148mm
Over Locknut Dimension	127mm	117mm	108mm
R: Axle Protrusion Length	24mm	22mm	20mm
L: Axle Protrusion Length	24mm	24mm	20mm
Spoke Holes	36H	36H	28H
Pitch Circle Diameter	67.0mm	67.0mm	67.0mm
Flange Width	53mm	53mm	53mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat	43.1mm	43.1mm	40 mm
Chain Line: 1/8" Dished	41.5 , 44.9mm	41.5 , 44.9mm	38.4 , 41.8mm
Chain Line: 3/32" Flat	42.7 , 43.5mm	42.7 , 43.5mm	39.6 , 40.4mm
Chain Line: 3/32" Dished	41.0 , 45.0mm	41.0 , 45.0mm	37.9 , 41.9mm
Indicators	MK5	MK3	MK2
Weight	1,060g	1,040g	1,020g

Internal Gear Hubs S3S

Model Name		AB3	SAB3	AWC	
Model No.		IHS3TLBSSSA4	IHS3TSBSSSA3	IHS3CWLSSA3	IHS3CWBSSSA3
Speed		3-Speed		3-Speed	
Type		90mm Drum Brake	70mm Drum Brake	Coaster Brake	
Hub Shell Material		Steel	Steel	Steel	
Gear Ratio	Overall Range	177%		177%	
	1	75%	(-) 25%	75%	(-) 25%
	2	100%	Direct Drive [Gear 1 (+) 33%]	100%	Direct Drive [Gear 1 (+) 33%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]	133%	(+) 33.3% [Gear 2 (+) 33%]
Axle Diameter		13/32" Slotted		13/32" Slotted	
Axle Length		163mm	163mm	175mm	163mm
Over Locknut Dimension		117mm	118mm	116mm	116mm
R: Axle Protrusion Length		23mm	24mm	30mm	26mm
L: Axle Protrusion Length		23mm	21mm	29mm	21mm
Spoke Holes		36H	36H	36H	36H
Pitch Circle Diameter		65.5mm 102.8mm	65mm 82.7mm	65mm	65mm
Flange Width		65.7mm	61.5mm	54.9mm	54.9mm
Spoke Compatibility		13G & 14G	13G & 14G	14G	14G
Sprocket Teeth		13 22T	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat		44.6mm	45.4mm	45.6mm	43.9mm
Chain Line: 1/8" Dished		43.0 , 46.4mm	43.8 , 47.2mm	44.0 , 47.4mm	42.3 , 45.7mm
Chain Line: 3/32" Flat		44.2 , 45.0mm	45.0 , 45.8mm	45.2 , 46.0mm	43.5 , 44.3mm
Chain Line: 3/32" Dished		42.5 , 46.5mm	43.3 , 47.3mm	43.5 , 47.5mm	41.8 , 45.8mm
Indicators		MK3	MK3	MK5	MK4
Weight		1,570g	1,410g	1,360g	1,350g

Internal Gear Hubs S3S

Model Name	AW3		
Model No.	IHS3FWBLSSA3	IHS3FWBSSSA3	IHS3FWDCSSA3
Speed	3-Speed		
Type	Freewheel		
Hub Shell Material	Steel		
Gear Ratio	Overall Range	177%	
	1	75%	(-) 25%
	2	100%	Direct Drive [Gear 1 (+) 33%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]
Axle Diameter	13/32" Slotted		
Axle Length	175mm	163mm	148mm
Over Locknut Dimension	127mm	117mm	108mm
R: Axle Protrusion Length	24mm	22mm	20mm
L: Axle Protrusion Length	24mm	24mm	20mm
Spoke Holes	36H	36H	28H
Pitch Circle Diameter	65mm	65mm	65mm
Flange Width	54.9mm	54.9mm	54.9mm
Spoke Compatibility	14G	14G	14G
Sprocket Teeth	13 22T	13 22T	13 22T
Chain Line: 1/8" Flat	43.1mm	43.1mm	40mm
Chain Line: 1/8" Dished	41.5 , 44.9mm	41.5 , 44.9mm	38.4 , 41.8mm
Chain Line: 3/32" Flat	42.7 , 43.5mm	42.7 , 43.5mm	39.6 , 40.4mm
Chain Line: 3/32" Dished	41.0 , 45.0mm	41.0 , 45.0mm	37.9 , 41.9mm
Indicators	MK5	MK3	MK2
Weight	1,160g	1,140g	1,120g

Internal Gear Hubs SX

Model Name	SX-RK3	SX-RB3
Model No.	IHS3KPBSSAA1	IHS3BPBSSAAA
Speed	3-Speed	
Type	Disk Brake	Band / Servo Brake
Hub Shell Material	6061 Aluminum	A356 Aluminum
Gear Ratio	Overall Range	177%
	1	75% (-) 25%
	2	100% Direct Drive [Gear 1 (+) 33%]
	3	133% (+) 33.3% [Gear 2 (+) 33%]
Axle Diameter	13/32" Slotted	
Axle Length	215mm	215mm
Over Locknut Dimension	170mm	163mm
R: Axle Protrusion Length	23mm	23mm
L: Axle Protrusion Length	22mm	29mm
Spoke Holes	36H	36H
Pitch Circle Diameter	89.8mm	90.0mm
Flange Width	91mm	89mm
Spoke Compatibility	13G & 14G	13G & 14G
Sprocket Teeth	13 22T	13 22T
Chain Line: 1/8" Flat	70.9mm	67.6 mm
Chain Line: 1/8" Dished	69.2 , 72.6mm	65.9 , 69.3mm
Chain Line: 3/32" Flat	70.6 , 71.2mm	67.3 , 67.9mm
Chain Line: 3/32" Dished	68.8 , 73.0mm	65.5 , 69.7mm
Indicators	MK3	MK3
Weight	1,400g	1,240g

Internal Gear Hubs TS & QS

Model Name	TS-RC3	TS-RF3	QS-RC3	QS-RC5
Model No.	IHT3CQBSSAA2	IHT3FQBSSAA1	IHQ3CQBLSAA3	IHQ5CQBLSAA3
Speed	3-Speed	3-Speed	3-Speed + Reverse	5-Speed + Reverse
Type	Coaster Brake	Freewheel	Coaster Brake	Coaster Brake
Hub Shell Material	6061 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	177%		256%
	1	75%	(-) 25%	62.5% (-) 37.5%
	2	100%	Direct Drive [Gear 1 (+) 33%]	75% (-) 25% [Gear 1 (+) 20%]
	3	133%	(+) 33.3% [Gear 2 (+) 33%]	100% Direct Drive [Gear 2 (+) 33%]
	4	X		133.3% (+)33.3% [Gear 3 (+) 33%]
	5	X		160% (+)60% [Gear 4 (+) 20%]
Axle Diameter	13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted
Axle Length	163mm	163mm	175mm	185mm
Over Locknut Dimension	116mm	117mm	126mm	139mm
R: Axle Protrusion Length	26mm	22mm	30mm	24mm
L: Axle Protrusion Length	21mm	24mm	19mm	22mm
Flange Width	53mm	53mm	53mm	65mm
Flange Sprocket Teeth	22T	22T	22T	22T
Flange Sprocket C.L.	27.8mm	30.1mm	33.4mm	39.4mm
Sprocket Teeth	21 22T	21 22T	21 22T	21 22T
Sprocket Chain Line	45.7mm	44.9mm	47.2mm	53.9mm
Indicators	MK4	MK3	MK5	Yellow
Weight	1,360g	1,100g	1,800g	2,010g

Internal Gear Hubs S3X

Model Name		S3X		
Model No.		IHS3XQBSSAA0		IHS3XQBLSAA0
Type		Fixed Gear		
Speed		3-Speed		
Hub Shell Material		6061 Aluminum		
Gear Ratio	1	62.5%	(-) 37.5%	
	2	75%	(-) 25% [Gear 1 (+) 20%]	
	3	100%	Direct Drive	[Gear 2 (+) 33%]
Axle Diameter		13/32" Slotted		
Axle Length		164mm		175mm
Over Locknut Dimension		120mm		130mm
R: Axle Protrusion Length		23mm		23mm
L: Axle Protrosion Length		21mm		21mm
Spoke Holes		36H		36H
Pitch Circle Diameter		67.0mm		67.0mm
Flange Width		53.5mm		53.5mm
Spoke Compatibility		13G & 14G		13G & 14G
Sprocket Teeth 1/8"		12 18T		12 18T
Sprocket Teeth 3/32"		12 13T		12 13T
Chain Line		42 , 43 , 44 , 45mm		42 , 43 , 44 , 45mm
Indicators		Orange		White
Weight		980g		990g

Front Drum Brake Hubs

Model Name	XL-FD	X-FD	BF	SBF
Model No.	THSLDFBSSAA0	THSXDFBSSAA1	THSLBFBSSAA4	THSSBFBSSAA0
Brake Type	90mm Drum Brake	70mm Drum Brake	90mm Drum Brake	70mm Drum Brake
Hub Shell Material	A356 Aluminum	A356 Aluminum	Steel	Steel
Bearing Type	Sealed Cartridge	Sealed Cartridge	Loose Ball	Loose Ball
Hub Axle Diameter	9mm	9mm	3/8" (26TPI) Slotted	3/8" (26TPI) Slotted
Hub Axle Length	136mm	136mm	136mm	136mm
Over Locknut Dimension	100mm	100mm	100mm	100mm
Spoke Holes	36H	36H	36H	36H
Pitch Circle Diameter	109.0mm	89.8mm	48.5mm 102.5mm	83.0mm
Flange Width	53mm	56mm	57mm	53mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	14G
Finish	Natural Alloy	Natural Alloy	Painted Silver	Painted Silver
Weight	970g	770g	1,020g	880g

Rear Drum Brake Hubs

Model Name	X-RD		X-RDC	
Model No.	THSXDRBSSAA0	THSXDRBSSAA0	THSXDCBQSAA0	THSXDCBSSAA0
Brake Type	70mm Drum Brake		70 mm Drum Brake	
Usage	1-Speed Freewheel	7-Speed Freewheel	9/8-Speed Cassette	
Hub Shell Material	A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge	Sealed Cartridge	Sealed Cartridge	Sealed Cartridge
Axle Type	Solid Nutted	Solid Nutted	Quick-Release	Solid Nutted
Axle Diameter	9mm	9mm	10mm	9mm
Axle Length	183mm	183mm	145mm	175mm
Over Locknut Dimension	135mm	135mm	135mm	135mm
R: Axle Protrusion Length	31mm	24mm	5mm	20mm
L: Axle Protrusion Length	17mm	24mm	5mm	20mm
D-Dimension	31mm	38mm	41mm	41mm
Spoke Holes	36H	36H	36H	36H
Pitch Circle Diameter	89.8mm	89.8mm	89.8mm	89.8mm
Flange Width	56mm	56mm	60mm	60mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	835g	835g	995g	950g

Specifications

Drum Brake Hubs

Side Drum Brake Hubs

Model Name	XL-SD					
Model No.	THH90LBQSAA1	THH90RBQSAA1	THH80LBSSAA1	THH80RBSSAA1	THH80LBCSAA1	THH80RBCSAA1
Brake Type	90mm Drum Brake		90mm Drum Brake		90mm Drum Brake	
Side	Left	Right	Left	Right	Left	Right
Axle Type	HSL819 Quick-Release		HSL881 Solid Nuted		HSL885 Solid Nuted	
Axle Diameter / Type	12mm (16mm Base)		12mm		12mm	
Axle Length	150mm		130mm (excl. M19 Hex Bolt Head of 4mm)		100mm (excl. M19 Hex Bolt Head of 4mm)	
Axle Protrusion Length	62mm (incl.12mm QR protrusion from base)		50mm		20mm	
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2	
Spoke Holes	36H		36H		36H	
Pitch Circle Diameter	109.0mm		109.0mm		109.0mm	
Flange Width	53mm		53mm		53mm	
Spoke Compatibility	13G & 14G		13G & 14G		13G & 14G	
Finish	Natural Alloy		Natural Alloy		Natural Alloy	
Weight	1,020g	1,02g	960g	961g	935g	935g

Side Drum Brake Hubs

Model Name	X-SD [X-FD(H)]					
Model No.	THH60LBQSAA1	THH60RBQSAA1	THH50LBSSAA1	THH50RBSSAA1	THH50LBCSAA1	THH50RBCSAA1
Brake Type	70mm Drum Brake		70mm Drum Brake		70mm Drum Brake	
Side	Left	Right	Left	Right	Left	Right
Axle Type	HSL819 Quick-Release		HSL881 Solid Nuted		HSL885 Solid Nuted	
Axle Diameter / Type	12mm (16mm Base)		12mm		12mm	
Axle Length	150mm		130mm (excl. M19 Hex Bolt Head of 4mm)		100mm (excl. M19 Hex Bolt Head of 4mm)	
Axle Protrusion Length	62mm (incl.12mm QR protrusion from base)		50mm		20mm	
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2	
Spoke Holes	36H		36H		36H	
Pitch Circle Diameter	89.8mm		89.8mm		89.8mm	
Flange Width	54mm		54mm		54mm	
Spoke Compatibility	13G & 14G		13G & 14G		13G & 14G	
Finish	Natural Alloy		Natural Alloy		Natural Alloy	
Weight	790g	790g	730g	730g	705g	705g

Front Cranksets FCS

Model No.	FCSS1	FCSS2	FCS74	FCS73	FCS72	FCS71	FCS70
Number of Teeth	54T Flat or Dished*	56T Flat	44T	44T	44T	42T	42T
Chainring Material	A5 Aluminum		A5 Aluminum	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel
Removable Chainrings	●		●	●	●	●	●
Crank Style	Polished 5-Arm Spider		4-Arm Spider A-Crank				
Crank Arms	6061 Aluminum Forged		A356.2 Aluminum				
Crank Arm Length	170mm		175mm / 170mm				
Chainring Bolts & Nuts	SCM435 Chromoly		SCM435 Chromoly				
Bolt Circle Diameter	130mm		104mm				
Chainguard Outer	A5 Aluminum	A5 Aluminum	A5 Aluminum	A5 Aluminum	HI-Tensile Steel	A5 Aluminum	HI-Tensile Steel
Chainguard Inner	A5 Aluminum	×	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel
Bottom Bracket (Optional)	Model	BBS20 / BBS15 (Sun Race)		BBS20 / BBS15 (Sun Race)			
	Shell Width	(S) 68mm	(S) 68mm	(S) 68mm			
	Spindle	(G) 113 / (K) 119mm*	(K) 119mm	(D) 110mm			
	Chain Line	45.0mm	45.0mm	45.0mm			
Weight (Right)	425g (175mm)	435g (175mm)	400g (175mm)	510g (175mm)	610g (175mm)	505g (175mm)	595g (175mm)
Weight (Left)	205g (175mm)	205g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)
Total Weight	630g (175mm)	640g (175mm)	610g (175mm)	720g (175mm)	820g (175mm)	715g (175mm)	805g (175mm)

*CG versions require Dished Chainring and 113mm Spindle.

Front Cranksets FCS

Model No.	FCS7B	FCS7S
Number of Teeth	42T	42T
Chainring Material	HI-Tensile Steel	HI-Tensile Steel
Removable Chainrings	×	×
Crank Style	I-Crank	I-Crank
Crank Arms	A356.2 Aluminum	A356.2 Aluminum
Crank Arm Length	175mm / 170mm	175mm / 170mm
Chainring Bolts & Nuts	×	×
Bolt Circle Diameter	×	×
Chainguard Outer	A5 Aluminum	HI-Tensile Steel
Chainguard Inner	×	×
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)
	Shell Width	(S) 68mm
	Spindle	(H) 116mm
	Chain Line	45.0mm
Weight (Right)	590g (175mm)	680g (175mm)
Weight (Left)	205g (175mm)	205g (175mm)
Total Weight	795g (175mm)	885g (175mm)



Front Cranksets FCS

Model No.		FCS81	FCS80	FCS52	FCS51	FCS50
Number of Teeth		33T	30T	38T	36T	33T
Chainring Material		HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel	HI-Tensile Steel
Crank Style		I-Crank		I-Crank		
Crank Arms		A356.2 Aluminum		A356.2 Aluminum		
Crank Arm Length		175mm/ 170mm		175mm / 170mm		
Spider Diameter		92mm		92mm		
Chain Size		1/2" x 1/8"		1/2" x 3/32"		
Chain Guard Option		✕		●	✕	✕
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)		BBS15 (Sun Race)		
	Shell Width	(S) 68mm		(S) 68mm		
	Spindle Length	(5) 115mm		(N) 122mm		
	Chain Line	45.0mm		45.0mm		
Weight (Right)		451g (175mm)	430g (175mm)	445g (175mm)	431g (175mm)	410g (175mm)
Weight (Left)		240g (175mm)	240g (175mm)	240g (175mm)	240g (175mm)	240g (175mm)
Total Weight		691g (175mm)	670g (175mm)	685g (175mm)	671g (175mm)	650g (175mm)

Front Cranksets FCT

Model No.		FCT48		FCT46		FCT44		FCT42	
Crank Arm Spline Type		Square Taper		Square Taper		Square Taper		Square Taper	
Number of Teeth		48T		46T		44T		42T	
Chainring Material		7075 Aluminum / Anodized /CNC		7075 Aluminum / Anodized /CNC		7075 Aluminum / Anodized /CNC		7075 Aluminum / Anodized /CNC	
Crank Arms		Forged Aluminum / Hi-Polish / Anodized		Forged Aluminum / Hi-Polish / Anodized		Forged Aluminum / Hi-Polish / Anodized		Forged Aluminum / Hi-Polish / Anodized	
Crank Arm Length		172.5 / 170 / 165mm		172.5 / 170 / 165mm		172.5 / 170 / 165mm		172.5 / 170 / 165mm	
Chainring Bolts & Nuts		7075 Aluminum / Anodized		7075 Aluminum / Anodized		7075 Aluminum / Anodized		7075 Aluminum / Anodized	
Bolt Circle Diameter		144mm		144mm		144mm		144mm	
Chain Size		1/2" x 1/8"		1/2" x 1/8"		1/2" x 1/8"		1/2" x 1/8"	
Bottom Bracket (Optional)	Model	BBS20 (Sun Race)		BBS20 (Sun Race)		BBS20 (Sun Race)		BBS20 (Sun Race)	
	Shell Width	(S) 68mm		(S) 68mm		(S) 68mm		(S) 68mm	
	Spindle Length	(A) 103mm	(B) 107mm	(A) 103mm	(B) 107mm	(A) 103mm	(B) 107mm	(A) 103mm	(B)107mm
	Chain Line	42.0mm	43.5mm	42.0mm	43.5mm	42.0mm	43.5mm	42.0mm	43.5mm
Crank(R) Weight		592g (170)		567g (170)		542g (170)		517g (170)	
Crank(L) Weight		205g (170)		205g (170)		205g (170)		205g (170)	
Total Average Weight		797g (170)		772g (170)		747g (170)		722g (170)	

Front Cranksets FCT

Model No.	FCT28	FCT26	FCT24	FCT22
Crank Arm Spline Type	Square Taper	Square Taper	Square Taper	Square Taper
Number of Teeth	48T	46T	44T	42T
Chainring Material	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC
Crank Arms	Forged Aluminum / Hi-Polish / Anodized	Forged Aluminum / Hi-Polish / Anodized	Forged Aluminum / Hi-Polish / Anodized	Forged Aluminum / Hi-Polish / Anodized
Crank Arm Length	172.5 / 170 / 165mm	172.5 / 170 / 165mm	172.5 / 170 / 165mm	172.5 / 170 / 165mm
Chainring Bolts & Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly
Bolt Circle Diameter	130mm	130mm	130mm	130mm
Chain Size	1/2" x 1/8"	1/2" x 1/8"	1/2" x 1/8"	1/2" x 1/8"
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)	BBS15 (Sun Race)	BBS15 (Sun Race)
	Shell Width	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle Length	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Crank(R) Weight	566g (170)	541g (170)	516g (170)	491g (170)
Crank(L) Weight	210g (170)	210g (170)	210g (170)	210g (170)
Total Average Weight	776g (170)	751g (170)	726g (170)	701g (170)

Front Cranksets FCT

Model No.	FCT18	FCT16	FCT14	FCT12
Crank Arm Spline Type	Square Taper	Square Taper	Square Taper	Square Taper
Number of Teeth	48T	46T	44T	42T
Chainring Material	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC	7075 Aluminum / Anodized /CNC
Crank Arms	Forged Aluminum / Anodized	Forged Aluminum / Anodized	Forged Aluminum / Anodized	Forged Aluminum / Anodized
Crank Arm Length	172.5 / 170 / 165mm	172.5 / 170 / 165mm	172.5 / 170 / 165mm	172.5 / 170 / 165mm
Chainring Bolts & Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly
Bolt Circle Diameter	130mm	130mm	130mm	130mm
Chain Size	1/2" x 1/8"	1/2" x 1/8"	1/2" x 1/8"	1/2" x 1/8"
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)	BBS15 (Sun Race)	BBS15 (Sun Race)
	Shell Width	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle Length	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Crank(R) Weight	568g (170)	543g (170)	518g (170)	493g (170)
Crank(L) Weight	211g (170)	211g (170)	211g (170)	211g (170)
Total Average Weight	779g (170)	754g (170)	729g (170)	704g (170)

Chain Tensioners

Model Name	CTS8X		CTS80
Model No.	CTS8X SD (B)	CTS8X SD (S)	CTS80 SD (B)
Cage Type	(S) Short	(S) Short	(S) Short
Mounting Type	(D) Direct	(D) Direct	(D) Direct
Speeds	Single		Single
Max. Rear Sprocket	25T		25T
Min. Rear Sprocket	18T		18T
Link	Forged 6061 Aluminum		Forged 6061 Aluminum
Outer Plate Cage	Aluminum / CNC		Aluminum
Innter Plate Cage	Aluminum		Aluminum
Bracket Bolt	7075 Aluminum / Gold Anodized		7075 Aluminum / Gold Anodized
Guide Pulley	11T / 7075 Aluminum / Sealed Cartridge Bearing		11T
Tension Pulley	11T / 7075 Aluminum / Sealed Cartridge Bearing		11T
Color variation	(B) Black	(S) Silver-Black	(B) Black
Average Weight	168g	168g	168g

Chain

Model	CNX46 (S)
Speed	Single / Fixed / BMX
Pitch	1/2" x 1/8"
Pin Material	SCM420
Pin Power	200kgf
Outer Plate Material	SAE1035
Inner Plate Material	SAE1035
Tensile Strength	1,300kgf
Finish	(S) Chrome
Connect End Pin	●
Connect Guide Pin	×
Connect Easy Link	×

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VITESSES

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