



2010 ~ 2011 / Product Catalogue

The Original And Best
Since 1902

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



Henry Sturmey

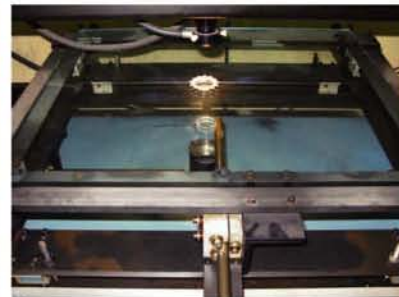
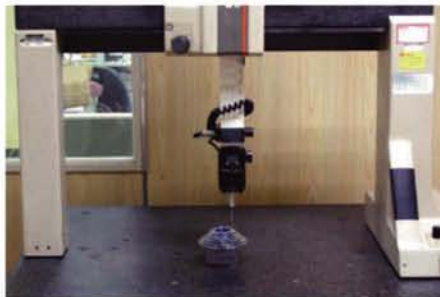


James Archer

He was approached by Henry Sturmey, 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
2010-2011 product range.

www.sturmey-archer.com www.sturmey-archerheritage.com





S20



S2C



B2C

New S20 and S2S Series of Kick Shift 2-Speed Hubs:

- › S2 2-Speed Kick Shift Hub in Aluminum Shell.
- › S2C 2-Speed Kick Shift with Coaster Brake Hub in Aluminum Shell.
- › B2C 2-Speed Kick Shift with Coaster Brake Hub in Steel Shell.

(Page 30 of catalogue)



CS-RF3



CS-RK3



New F30 Series of Cassette Freehub 3-Speed:

- › CS-RF3 Cassette Freehub 3-Speed in Aluminum Shell.
- › CS-RK3 Cassette Freehub 3-Speed with Disk Brake Adapter in Aluminum Shell.

(Page 28 of catalogue)



X-RK5



S-RK5
S-RK3



X-RK5 (N)



S-RK5 (N)
S-RK3 (N)

New Disk Brake hub in 5 & 3-Speeds:

- › X-RK5 5-Speed Disk Brake Hub in Large Aluminum Shell.
- › X-RK5 (N) X-RK5 with 9-Spline Driver.
- › S-RK5 5-Speed Disk Brake Hub in Small Aluminum Shell.
- › S-RK5 (N) S-RK5 with 9-Spline Driver.
- › S-RK3 3-Speed Disk Brake Hub in Small Aluminum Shell.
- › S-RK3 (N) S-RK3 with 9-Spline Driver.

(Page 14 and 20 of Catalogue.)



S-RC5 (N)



S-RF5 (N)
S-RF3 (N)

New Spline Driver 5 & 3-Speed for 12T usages:

- › S-RC5 (N) 5-Speed Coaster Brake with 9-Spline Driver.
- › S-RF5 (N) 5-Speed with 9-Spline Driver.
- › S-RF3 (N) 3-Speed with 9-Spline Driver.

(Page 14 and 20 of Catalogue.)



TSS36

TSC30
TSS37

TSS56



TSS86

New Shifter Options:

- › TSS36 3-Speed Twist Shifter with updated graphics.
- › TSS37 3-Speed Twist Shifter with long grip.
- › TSC30 C30 Rotary 3-Speed Shifter.
- › TSS56 5-Speed Twist Shifter with updated graphics & grip.
- › TSS86 8-Speed Twist Shifter with update graphics & grip.



BLS80 (Chrome)



X-RD8 (High Polish)



XL-FDD (High Polish)

New Hi-Polish Finish Options:

- › BLS80 (C) High Polish Chrome Finish BLS80 Brake Levers.
- › S80 Hubs X-RD8, X-RK8, X-RF8 now with standard High Polish Finish.
- › Drum Brake Hubs XL-FDD, X-FDD, XL-FD, X-FD, XL-RD5, X-RD5, XL-RD3, X-RD3 now available with optional High Polish finish.



FCSX6
FCSX4



FCS60



FCT60

New additions to FCS and FCT series:

- › FCSX6 / FCSX4 Cranksets with Integrated ISIS Through Axle Crank Arm and External Bearing External Bearing Bottom Brackets in 36T or 34T Compact Drive. Forged Aluminum Crank Arms with Chromoly Axle, 7075 Chainring, 7075 Chainring Bolts & Nuts, and Aluminum Crank Bolt.
- › FCS60s Forged Alloy Crank Arm with 38T, 36T or 33T Steel Chainring options with either 110mm or 92mm Spider diameter.
- › FCT60s Fixed / Track Cranksets with Forged Aluminum Crank Arms and 7075 Chainring with CNC cutouts in 48T, 46T, 44T, 42T. Available with optional Polished & Anodized Crank Arm finishes.



BBS18



BBS15



CTS70

New Bottom Brackets and Chain Tensioner:

- › BBS18 Bottom Bracket with Sealed Cartridge Bearing, Aluminum Sleeve, Aluminum Cups, and Steel Axle. Anodized Alloy Finish with 103mm and 107mm.
- › BBS15 Bottom Bracket with Sealed Cartridge Bearing, Steel Sleeve, Steel Cups, and Steel Axle. Chrome Plated with 103mm and 107mm.
- › CTS70 Chain Tensioner with Forged Aluminum Body, Aluminum Mounting Bolt, Steel Cages, and Composite Pulleys.

XL-FDD X-FDD

Sturmey Archer

Dynohub Drum Brake

P.8



580 (W)

8 Speed Hubs

P.10



550(W), 555(W)

5 Speed Hubs

P.13



C30

Rotary 3 Speed Hubs

P.16



530, 535

Classic 3 Speed Hubs

P.19



5X, TS, QS

Cruiser, Tricycle, Quadricycle Hubs P.22



53X

Fixed 3 Speed, HBT Hubs

P.24



F30

Cassette Freehub 3 Speed

P.28



520, 525

2 Speed Kick Shift

P.30



Drum Brake Hubs

Front, Rear, and Side Hubs

P.32



Front Cranksets

FCS, FCT

P.34



Parts

P.38

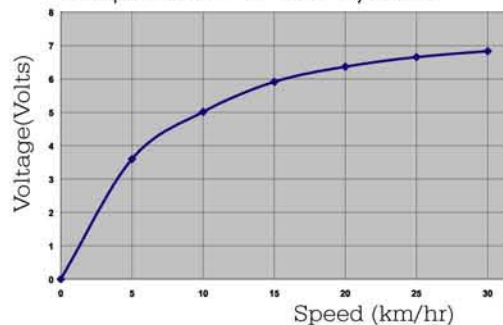


Specifications

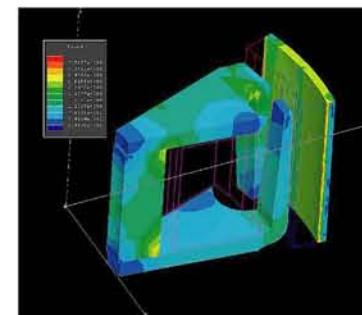
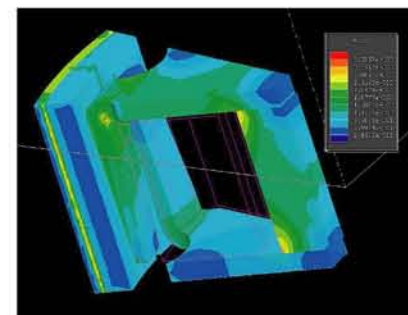
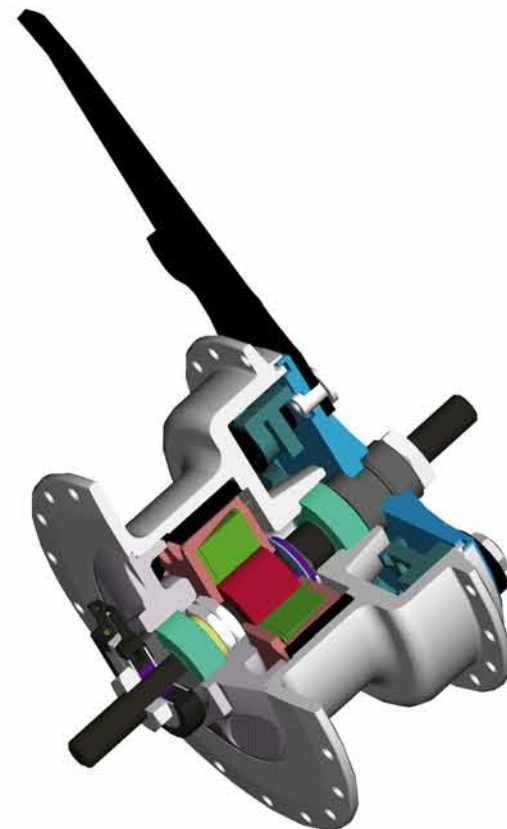
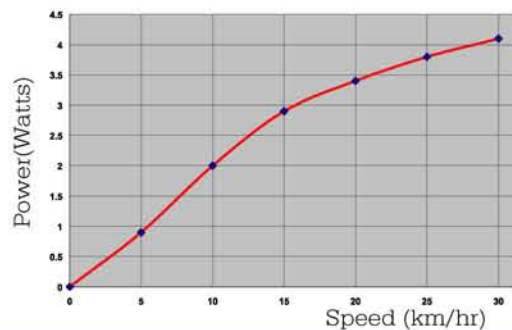
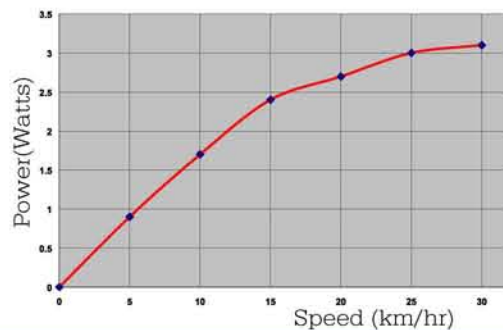
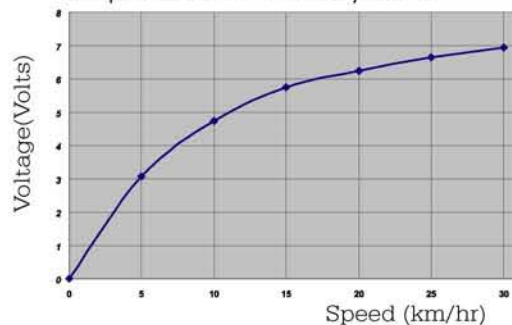
Dynohub Drum Brake	P.47	HBT Hubs	P.62
Brake Levers	P.47	Cassette Freehub 3 Speed	P.63
Shifters	P.48	2 Speed Kick Shift Hubs	P.64
8 Speed Hubs	P.52	Drum Brake Hubs	P.65
5 Speed Hubs	P.53	Front Cranksets FCS	P.67
Rotary 3 Speed Hubs	P.56	Front Cranksets FCT	P.69
3 Speed Hubs	P.57	Bottom Brackets	P.71
Cruiser, Tricycle, Quadricycle	P.60	Chain Tensioner	P.71
Fixed 3 Speed Hubs	P.62	Chain	P.72

- World's first integrated dynohub & drum brake.
- 90mm and 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 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
3809.0205.041
HMN414 [Xylan]
3899.0000.240



HMW527
3809.0405.078

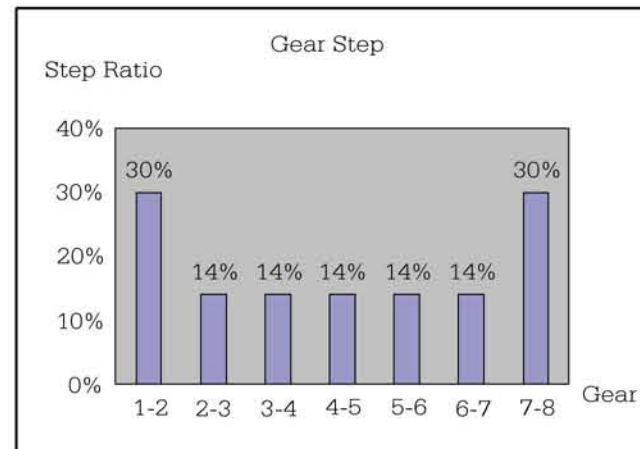
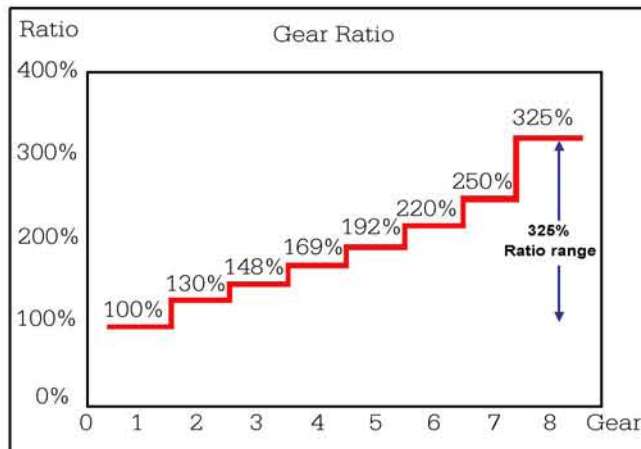
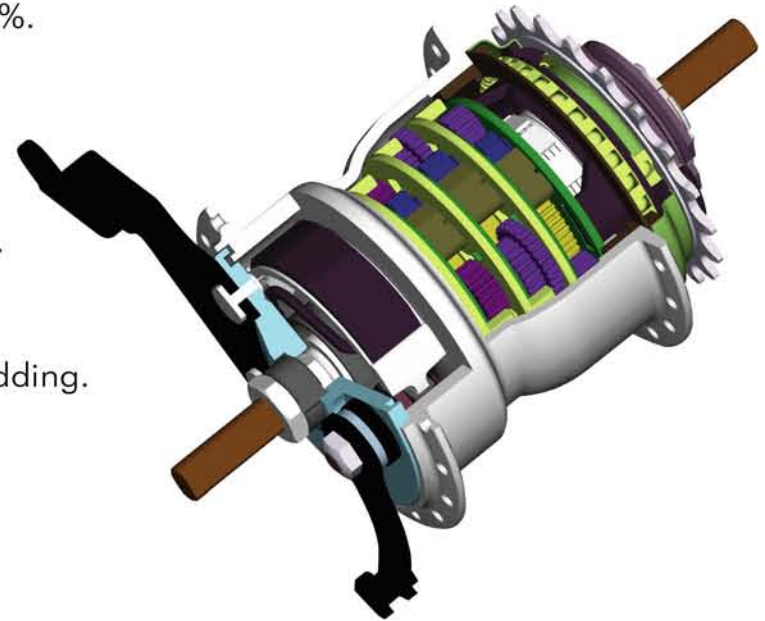


HMW528
3809.0405.081



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%.
- 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 with integrated drum brake or use with disk brake.
- Polished aluminum hub shells.
- Twist shifter with light action and small rotating angle.
- Brake lever integrated with replaceable cartridge rubber padding.





TSS82
HSJ955



TSS86
HSJ980



CTS8X [B]



CTS8X [S]



BLS80
S [Silver]



BLS80
C [Chrome]



CTS80



CTS70
[Steel Cage]



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
CSIMW.25D



23T CP 1/8" Dished
HSL821
CSIMW.23D



20T CP 3/32" Flat
HSL897
CSIMN.20F



Sprocket Circlip
HSL880 [Xylan]
3809.0707.003

25T CP 3/32" Dished
HSL867
CSIMN.25D

23T CP 3/32" Dished
HSL868
CSIMN.23D



Rotary Cable Anchorage
HSL802
3899.0000.163



Fulcrum Lever
HSJ956
3810.0190.007



Fulcrum Lever Cilp
HSJ957
3810.0190.008



Dome Nut
HMN412 [Xylan]
3809.0212.019



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

HFXW8.HSSS



HSL882



HSJ956



HSJ957



HSL880



HMN412 (x 2)



HMW529 (x 2)

HFXW8.VSSS



HSL882



HSJ956



HSJ957



HSL880

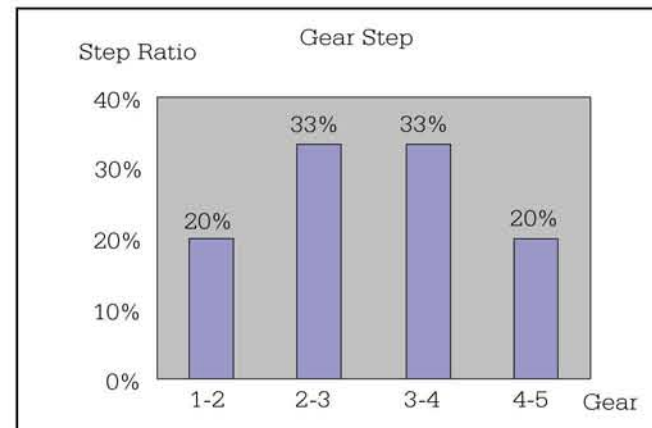
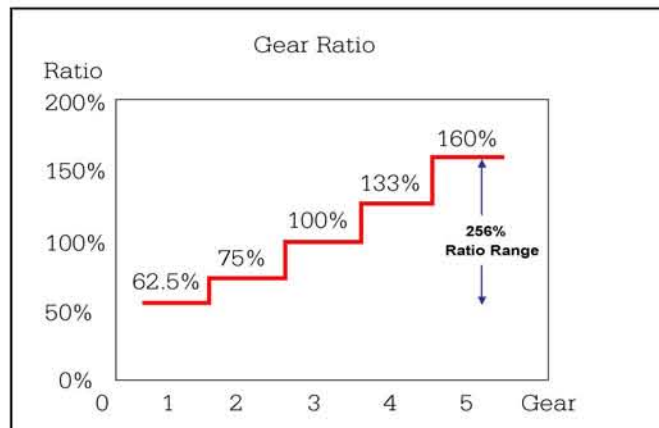
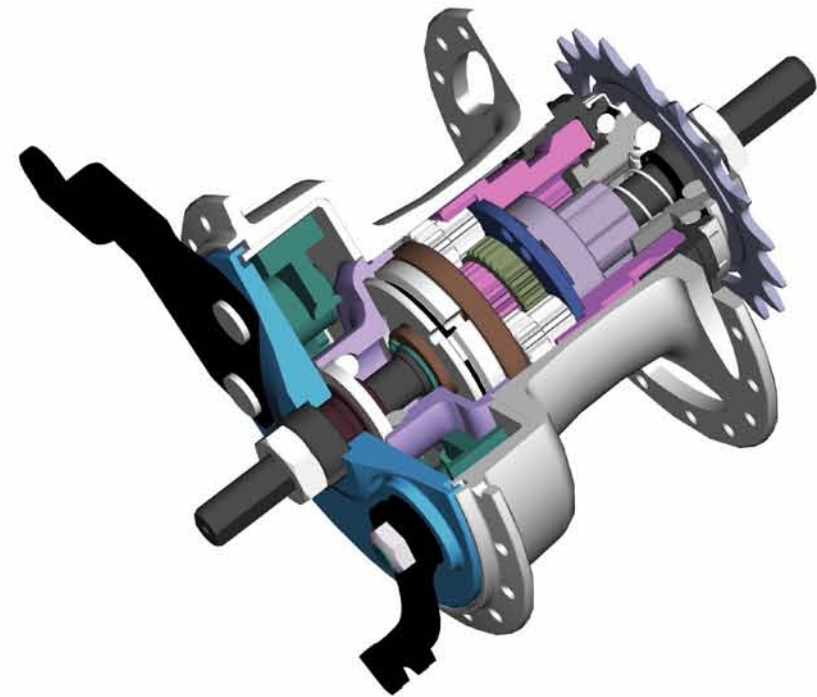


HMN412 (x 2)



HMW534 (x 2)

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



550(W)

| 5 Speed Alloy Hubs



DLS52
HSJ958



TSS55
HSJ952



TSS56
HSJ979



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



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



X-RK5 [W] / [N]
5 Speed
Disk Brake Hub



X-RF5 [W]
5 Speed Hub



SLS50-S
HSJ982
Brazed On 28.6mm



X-RC5 [W]
5 Speed
Coaster Brake Hub



S-RK5 [W] / [N]
5 Speed
Disk Brake Hub



S-RF5 [W] / [N]
5 Speed Hub



S-RC5 [W] / [N]
5 Speed
Coaster Brake 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



HSL906 [Silver]
3810.0507.003



Guide Nut - Short
HMN420
3809.0225.003



Guide Nut-Standard
HMN129
3809.0213.001
HMN418 [Xylan]
3809.0217.002



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
3810.0605.034



Sprocket Circlip
HSL721
3809.0705.005
HSL879 [Xylan]
3809.0707.002



Sprocket Options
(Page 35)



Dome Nut
HMN388
3809.0205.040
HMN412 [Xylan]
3809.0212.019

Fitting Sets

HFIS5.YSSS
HFXS5.YSSS



HSA585
HSA585



HSL721
HSL879



HSA650
HSA650



HMN128
HMN411



HSJ905
HSJ905



HSA620
HSA620



HMN388
HMN412



HMW518 (x 2)
HMW529 (x 2)



HFIS5.GHHA HSA651 HSL721



HMN420



HSL884

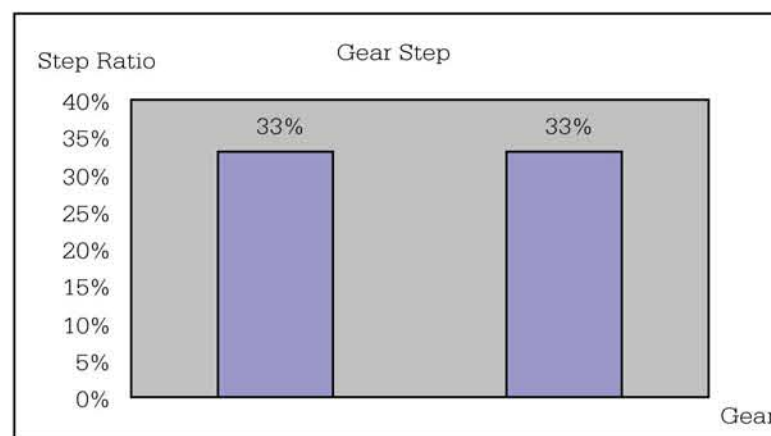
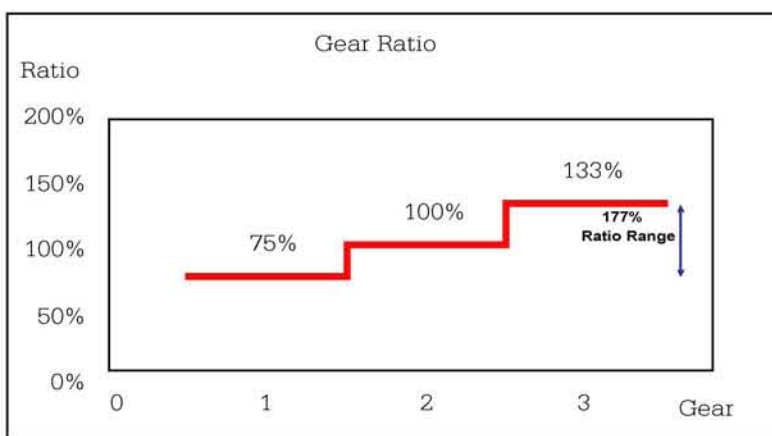
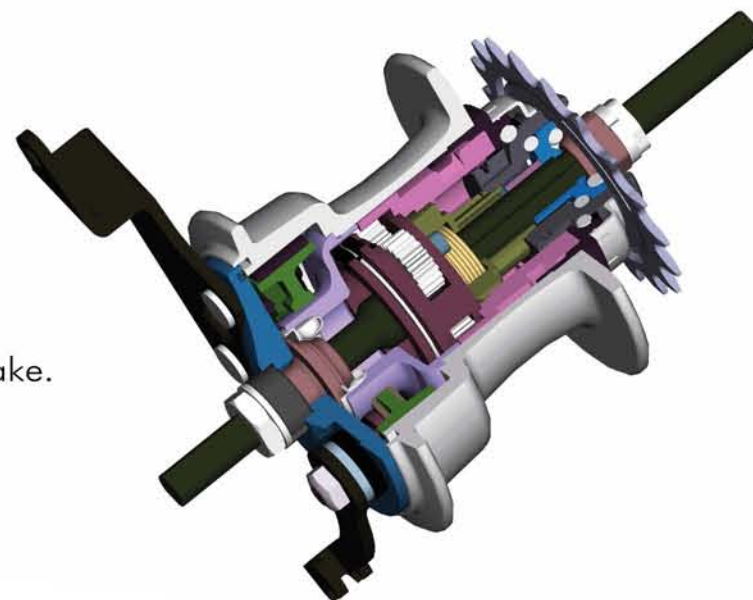


HMN128



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



TSC30
HSJ976



RX-RD3
3 Speed
70mm Drum Brake Hub



RS-RF3
3 Speed Hub

C30**Rotary 3 Speed Parts**

Rotary Cable Anchorage

HSL802

3899.0000.163



C30 Cable Adjuster

HSL872

3899.0000.204



C30 Fulcrum Lever Set for Reversed End

HSJ932

3899.0000.190



Tool

HTR137

3810.0590.001



Sprocket Circlip

HSL721

3809.0705.005

HSL879 [Xylan]

3809.0707.002



17T

HSL828 [Black]

HSL827 [CP]

HSL826 [Xylan]

CSISW.17P



HMN406

3809.0205.045

HMN417 [Xylan]

3809.0212.005



Lock Washer

3/8" x 4mm x 9.5mm

HMW530 [Xylan]

3809.0407.002

HMW521

3809.0405.043



HMN387

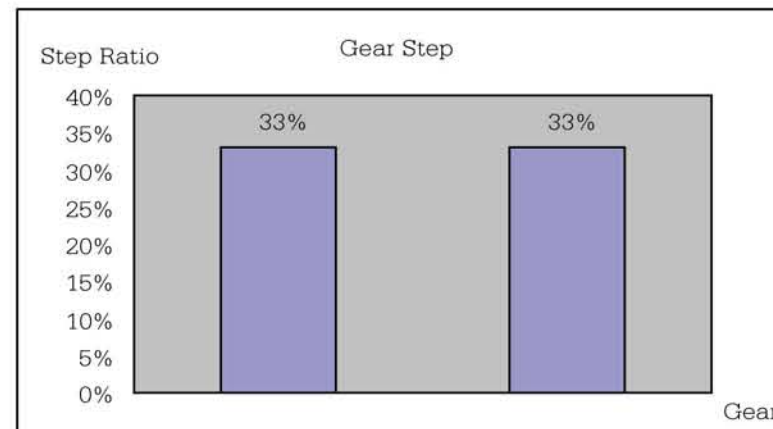
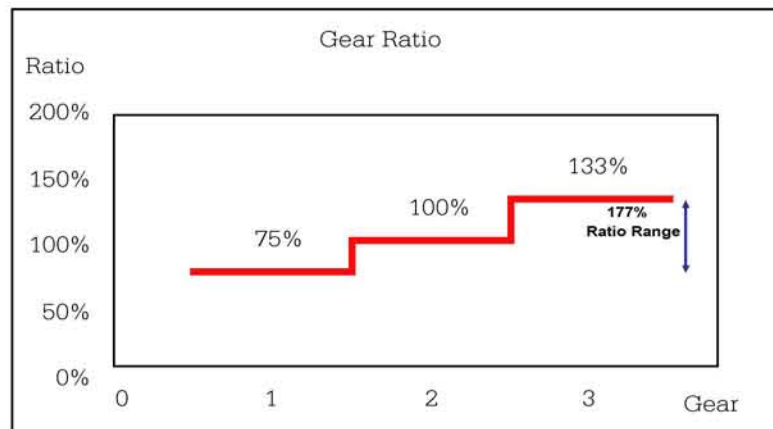
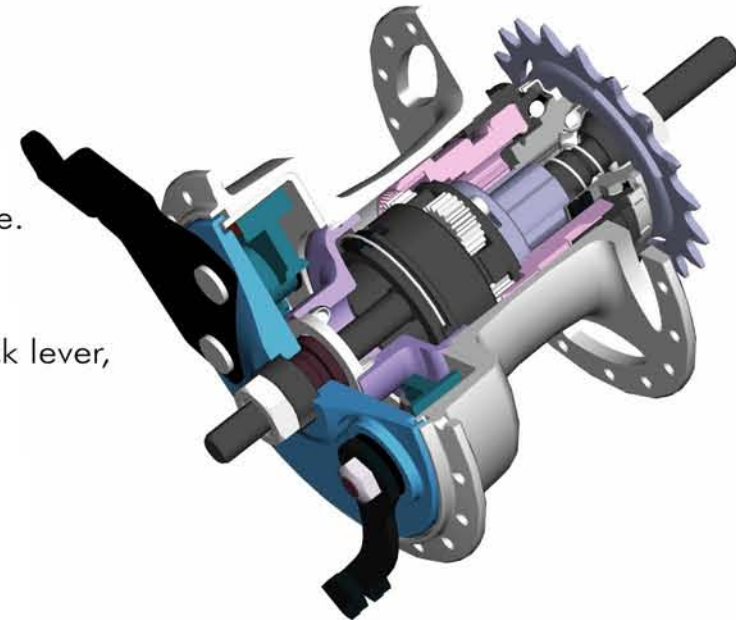
3809.0205.042

HMN413 [Xylan]

3809.0212.018

Fitting SetsHFIC3.SSSS
HFXC3.SSSSHSJ932
HSJ932HMN406
HMN417HSL721
HSL879HMW521 (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 disk brake hub in aluminum shell with 135mm O.L.D.
- 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.
- Aluminum thumb shifters for bar end, flat bar, or seat post mount.



530

| 3 Speed Alloy Hubs



SLS30-B

HSJ963

Bar End Shifter



SLS30-T

HSJ962

Thumbie



SLS30-S

HSJ981

Braze On 28.6mm



DLS30

HSJ943



XL-RD3

3 Speed

90mm Drum Brake Hub



X-RD3

3 Speed

70mm Drum Brake Hub



TSS37

HSJ978



S-RK3

3 Speed

Disk Brake Hub



S-RC3 [II]

3 Speed

Coaster Brake Hub



S-RF3 / S-RF3 [N]

3 Speed Hub



TSS36
HSJ977



TSS33
HSJ939



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



TS-RF3
3 Speed Hub



QS-RC5
5 Speed
Reversible
Coaster Brake Hub
Fitting Sets HFIS5.YSSS (Page 15)



SX-RB3
3 Speed
Band Brake Hub



TS-RC3
3 Speed
Coaster Brake Hub



QS-RC3
3 Speed
Reversible
Coaster Brake Hub



CLS31
HSJ944
CLS51
HSJ984



CLS30
HSJ945
CLS50
HSJ983



CLS3S
HSJ946
CLS5S
HSJ985



CLS3M
HSJ947
CLS5M
HSJ986



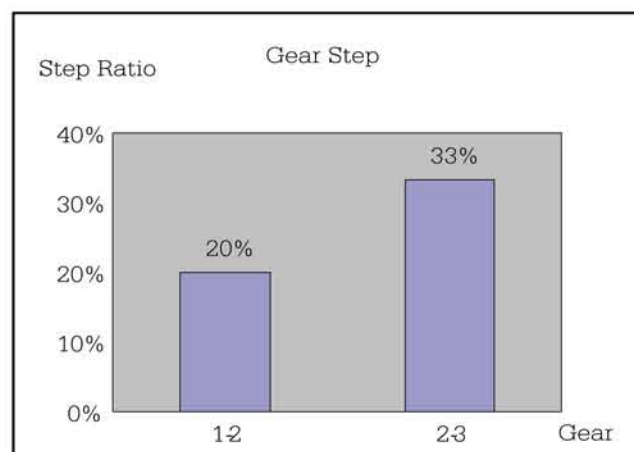
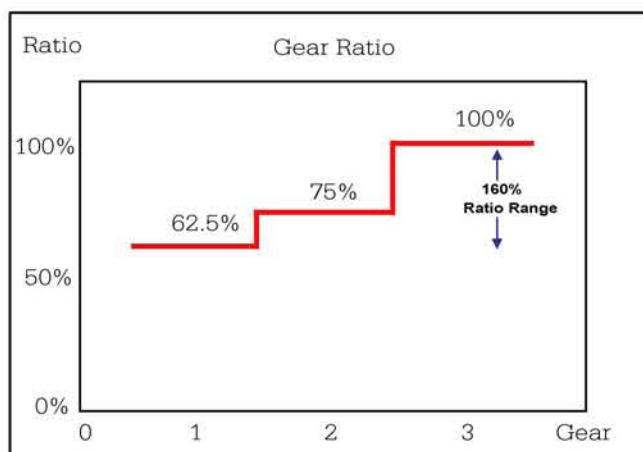
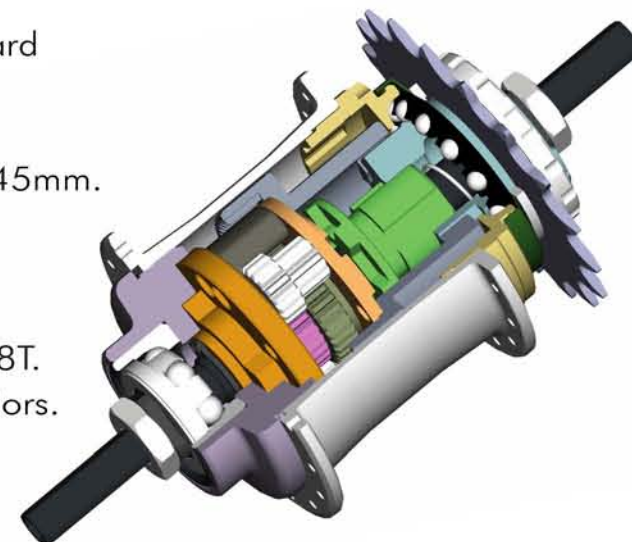


Sprocket Options (Page 42)

Fitting Sets

HFIS3.2HHA							 		
	HSA651	HSL721			HMN420	HSL884	HMN128	HMW526 (x 2)	
HFIS3.3SSS								 	
HFXS3.3SSS	HSA315	HSL879	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)	
	HSA315	HSL721	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)	
HFIS3.4SSS								 	
HFXS3.4SSS	HSA316	HSL879	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)	
	HSA316	HSL721	HSA650	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)	
HFIS3.5SSS								 	
HFXS3.5SSS	HSA420	HSL879	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)	
	HSA420	HSL721	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.



S3X

Fixed Gear 3 Speed



SLS3X-B
HSJ966
Bar End



SLS3X-T
HSJ965
Thumbie



SLS3X-S
HSJ988
Brazed On 28.6mm



HBT
Front Hub



S3X
3 Speed
Fixed Gear Hub

Color Options



[B]



[G]



[R]



[2]



[3]



S3X Black [B]
3 Speed
Fixed Gear Hub



S3X Gold [G]
3 Speed
Fixed Gear Hub



S3X Red [R]
3 Speed
Fixed Gear Hub



S3X Blue [2]
3 Speed
Fixed Gear Hub



S3X Purple [3]
3 Speed
Fixed Gear Hub



CNX46 (S)
[1/2" x 1/8"]
S[Silver]



CNX58 (S)
[1/2" x 3/32"]
S[Silver]



CNX56 (S)
[Hollow Pins]
[1/2" x 1/8"]
S[Silver]



CNX59 (S)
[Hollow Pins]
[1/2" x 3/32"]
S[Silver]



FCT60 Series
(Page 36)



FCT60 Series
(Page 36)



FCT40 Series
(Page 37)



FCT20 Series
FCT10 Series
(Page 37)



Mark Orange I
HSA652
3810.0605.036

Mark Orange II
HSA713
3810.0605.037

*Standard Guide Nut Only



Mark White I
HSA653
3810.0605.038

Mark White II
HSA714
3810.0605.039

*Standard Guide Nut Only



Guide Nut - Short
HMN420
3809.0225.003



Guide Nut - Standard
HMN129
3809.0213.001
HMN418 [Xylan]
3809.0217.002



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
3809.0205.040
HMN412 [Xylan]
3809.0212.019



Dust Cap
HSL701
3809.0810.001



Lock-Ring
HSL896
3809.0812.005



Sprocket Spacer
Options
(Page 43)

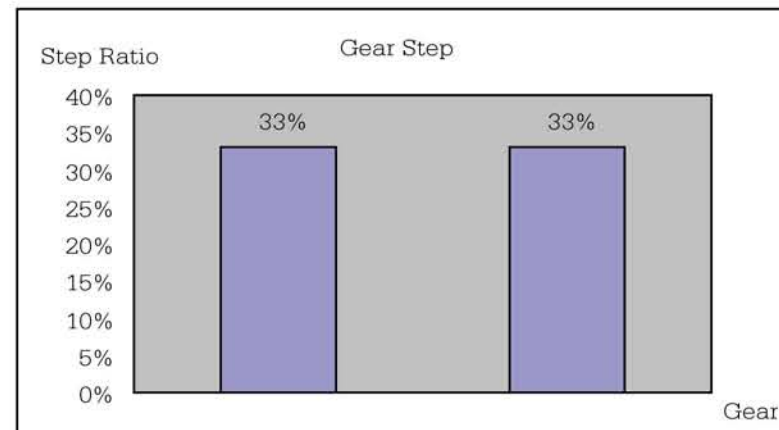
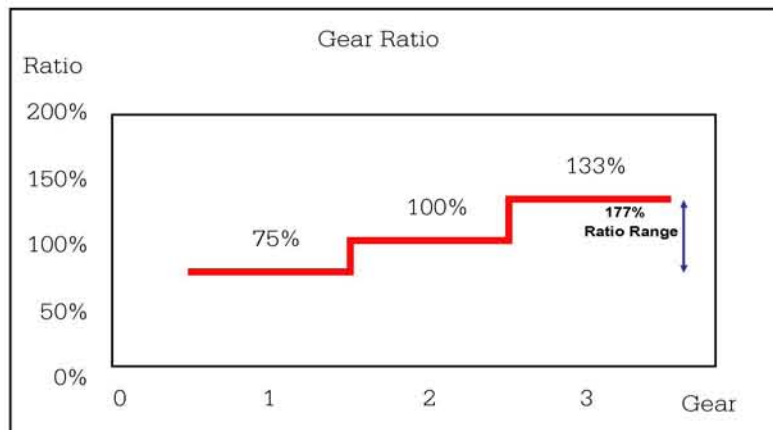
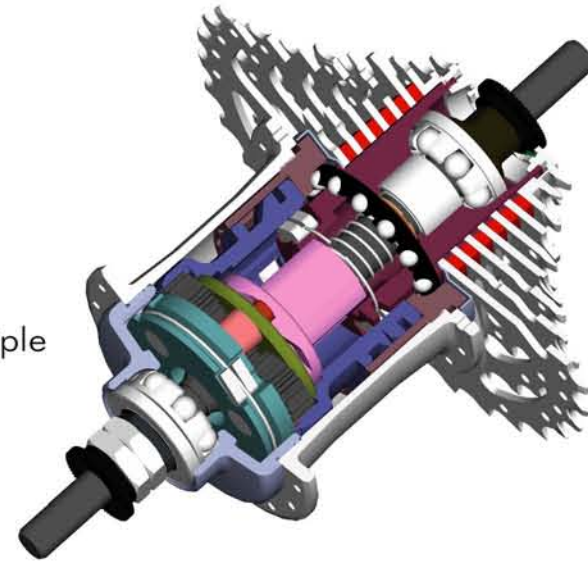


CSIX Sprocket
Options
(Page 43)

Fitting Sets

						
HFS3X.SSSS	HSA652	HMW538 (x 2)	HMW537 (x 2)	HMN420	HMN388	HMW518 (x 2)
						
HFS3X.WSSS	HSA653	HMW538 (x 2)	HMW537 (x 2)	HMN420	HMN388	HMW518 (x 2)

- 3-speed internal gear cassette freehub with gear ratio of 177%.
- Gear steps of 33% and 33%.
- Available as standard hub or disk brake hub.
- Compatible with standard MTB/ATB 9 and 8-speed cassettes.
- Compatible with standard MTB/ATB left hand shifters for front triple chainwheel.
- Compatible with standard 135mm frame dropouts.
- Polished and anodized aluminum shell in alloy silver or black.





CS-RF3
3 Speed
Cassette Freehub



CS-RF3 Black [B]
3 Speed
Cassette Freehub



CS-RK3
3 Speed
Disk Brake Cassette Freehub



CS-RK3 Black [B]
3 Speed
Disk Brake Cassette Freehub

Fitting Sets

HFIF3.8SSV



HSA716



HSL922
3809.0812.008
Dust Cap



HMN420



HSL884

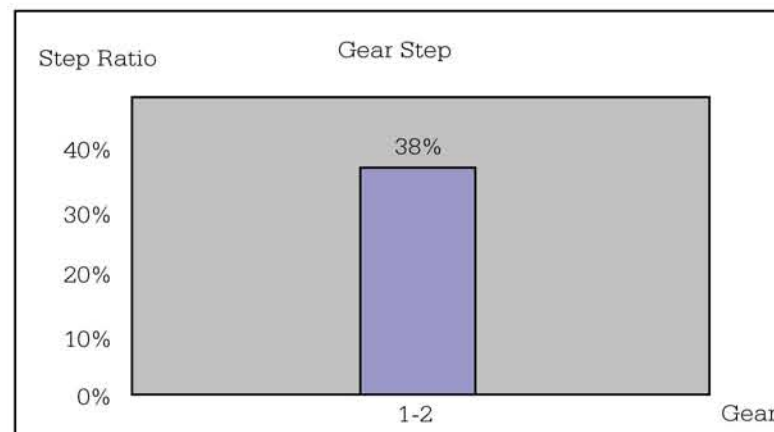
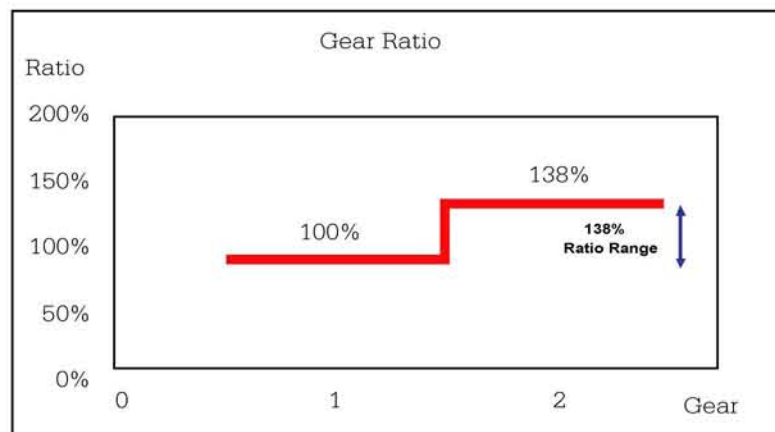
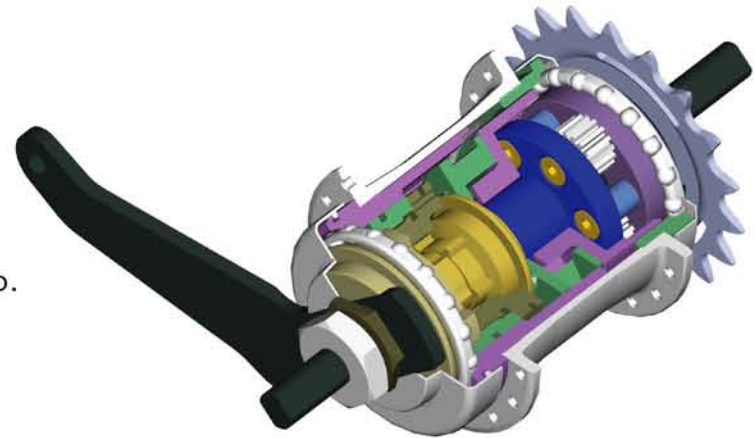


HMN388



HMW534 (x 2)

- 2-speed internal gear hub with gear ratio of 138%.
- Kick Shift between gears without shifters.
- No shifter cable and wear related issues.
- Available as standard hub or integrated coaster brake hub.
- Available in aluminum polished and anodized hub shell.
- Available in steel painted hub shell.



520 | 525 Kick Shift 2 Speed



S2
2 Speed Kick Shift Hub



S2C
2 Speed Kick Shift
Coaster Brake Hub

Color Options



[B]



[G]



[R]



[2]



[3]



B2C
2 Speed Kick Shift
Coaster Brake Hub

Fitting Sets

HFS20.SOSS



HSL721



HMN388 (x 2)



HMW518 (x 2)

HFS2C.SCSS



HSL721



HSL921
3809.0812.009
Dust Cap



HMW127



HMN388 (x 2)



HMW518 (x 2)

Drum Brake Hubs

Front & Rear



XL-FD
90mm Front
Drum Brake Hub



X-FD
70mm Front
Drum Brake Hub



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



BF
90mm Front
Drum Brake Hub



SBF
70mm Front
Drum Brake Hub



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 "A2"	HMW 539	3809.0405.110
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
90 mm Solid Axle	HSL 898	3805.0205.035
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 530	3899.0000.307
70mm Right Brake Plate Assy.	HSB 531	3899.0000.308
Inner Washer "A2"	HMW 539	3809.0405.110
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
90 mm Solid Axle	HSL 898	3805.0205.035
M12 Nut	HMN421	3809.0205.124
M12 Nut w/ Non-Slip	HMN422	3809.0205.119

Front Cranksets FCS



FCSX4 34T
FCSX6 36T
BBRS [A1]
[Int. BB]
[125g]

[6061 Forged Alloy Crank]
[7075 Chainrings]
[Chromoly ISIS Axle]
[7075 Bolts & Nuts]
[7075 Axle Bolt]
[BCD 110mm]
[855~859g incl. BB]



FCS70 42T Steel w/ Steel CGs.
FCS71 42T Steel 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]
FCS7B 42T Steel w/ Aluminum OCG.
[SUS302 Bolts & Nuts]



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



FCSS1 54T
[Double/Chain Guard]



[Black]



FCSS2 56T
[Single Chain Guard]



[Black]
[CNC Option]

Front Cranksets FCS



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



FCS60 33T (Ø92mm)
FCS61 36T (Ø92mm)
FCS62 38T (Ø92mm)
FCS63 33T (Ø110mm)
FCS66 36T (Ø110mm)
FCS68 38T (Ø110mm)
[6061 Forged Alloy Crank]



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

FCS52
[CGs]



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

FCS32
[CGs]

Front Cranksets FCT



AA [Alloy + Alloy]



BA
[Black + Alloy]



GA
[Gold + Alloy]



RA
[Red + Alloy]



2A
[Blue + Alloy]



3A
[Purple + Alloy]

FCT62 42T [6061 Forged Alloy Crank]
FCT64 44T [7075 Chainring]
FCT66 46T [7075 Bolts & Nuts]
FCT68 48T [PCD 144mm]
[Polished Anodized Finish Crank & Chainring]



AD [Alloy + Black]



BD
[Black + Black]



GD
[Gold + Black]



RD
[Red + Black]



2D
[Blue + Black]



3D
[Purple + Black]

FCT62 42T [6061 Forged Alloy Crank]
FCT64 44T [7075 Chainring]
FCT66 46T [7075 Bolts & Nuts]
FCT68 48T [PCD 144mm]
[Polished Anodized Finish Crank]
[Black Anodized + CNC Chainring]

Front Cranksets FCT



AD [Alloy + Black]



BD [Black + Black]

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



AD [Alloy + Black]



BD [Black + Black]

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



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



- BBS18
- [Steel Axle]
- [Alloy RH & LH Cups]
- [Alloy Sleeve]
- [Eng. Polymer Stopper]
- [Sealed Cartridge Bearings]



- BBS15
- [Steel Axle]
- [Steel RH & LH Cups]
- [Steel Sleeve]
- [Chrome Plated]
- [Eng. Polymer Stopper]
- [Sealed Cartridge Bearings]



- BAS15
- BB Axle Bolt
- [M8]

Parts

p.44



p.45



p.39



p.39



p.43



p.43



p.45



p.46



Nuts | Washers

Front Hub



M9

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



Hex15

HMN386
3809.0205.041
HMN414 [Xylan]
3809.0212.017



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

Rear Hub

RS-RF3
RX-RD3



Hex15

HMN387
3809.0205.042
HMN413 [Xylan]
3809.0212.018



Hex14

HMN401
3809.0205.044



Hex15

HMN118
3809.0205.018
HMN416 [Xylan]
3809.0212.020

Rear Hub



13/32"

All Rear Hubs
[Excluding C30
Rotary Series]



Hex15

HMN388
3809.0205.040
HMN412 [Xylan]
3809.0212.019



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



Mark VIII
HSA716
3810.0605.040



Mark IX
HSA715
3810.0605.031

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



Mark Purple
HSA717
3810.0605.032



Mark Navy Blue
HSA712
3810.0605.033

Cable Anchorage & Adjusters



HSL759
3899.0000.098



HSJ925
3899.0000.166

HSJ926
3899.0000.152 (Slotted)



3104.0505.018



3104.0405.002



HSJ954
3899.0000.353 (Aluminum)

Shifter Cable/Casing Set



Twist Shifter
HSJ887 (1420mm)



SLS3N, SLS5N, SLW5N Shifter
HSJ802 (1400mm)



Orion Shifter
HSJ883 (1420mm)



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



5/3 Speed Parts



Guide Nut-Standard
HMN129
3809.0213.001
HMN418 [Xylan]
3809.0217.002



Guide Nut - Short
HMN420
3809.0225.003



Cover for Short Guide Nut
HSL884
3810.0505.028



HSL906 [Silver]
3810.0507.003



Indicator Guard
HSL711
3810.0505.002



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

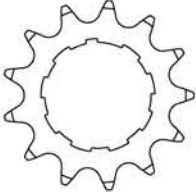
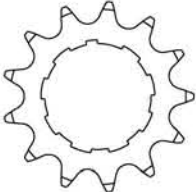
Sprocket Teeth	22	21	20	19	18	17	16	15	14	13
Sprocket Thickness 1/8" Deep Dished	 Black	 CP	 Xylan		 CSISW.18P HSL923 [Black] HSL924 [CP] HSL925 [Xylan]	 CSISW.17P HSL828 [Black] HSL827 [CP] HSL826 [Xylan]				
Dished	 CSISW.22D HSL722 [Black] HSL830 [CP] HSL829 [Xylan]	 CSISW.21D HSL747 [Black] HSL832 [CP] HSL831 [Xylan]	 CSISW.20D HSL720 [Black] HSL834 [CP] HSL833 [Xylan]	 CSISW.19D HSL719 [Black] HSL836 [CP] HSL835 [Xylan]	 CSISW.18D HSL718 [Black] HSL838 [CP] HSL837 [Xylan]	 CSISW.17D HSL717 [Black] HSL840 [CP] HSL839 [Xylan]				
Flat				 CSISW.19F HSL781 [Black] HSL842 [CP] HSL841 [Xylan]	 CSISW.18F HSL818 [Black] HSL844 [CP] HSL843 [Xylan]	 CSISW.17F HSL772 [Black] HSL846 [CP] HSL845 [Xylan]	 CSISW.16F HSL716 [Black] HSL848 [CP] HSL847 [Xylan]	 CSISW.15F HSL715 [Black] HSL850 [CP] HSL849 [Xylan]	 CSISW.14F HSL714 [Black] HSL852 [CP] HSL851 [Xylan]	 CSISW.13F HSL713 [Black] HSL854 [CP] HSL853 [Xylan]
Sprocket Thickness 3/32" Dished				 CSISN.19F HSL776 [Black] HSL858 [CP] HSL857 [Xylan]	 CSISN.18D HSL775 [Black] HSL860 [CP] HSL859 [Xylan]	 CSISN.17D HSL774 [Black] HSL862 [CP] HSL861 [Xylan]				
Flat						 CSISN.16F HSL773 [Black] HSL864 [CP] HSL863 [Xylan]				



9-Spline Sprockets / Spacers

5/3 Speed Parts

9-Spline Sprockets

 1/8" x 1/2" Flat [CP]	12T	CSIXW.12F	HSL886
	13T	CSIXW.13F	HSL887
	14T	CSIXW.14F	HSL888
	15T	CSIXW.15F	HSL889
	16T	CSIXW.16F	HSL890
	17T	CSIXW.17F	HSL891
	18T	CSIXW.18F	HSL892
	19T	CSIXW.19F	HSL908
	20T	CSIXW.20F	HSL909
	21T	CSIXW.21F	HSL910
 3/32" x 1/2" Flat [CP]	22T	CSIXW.22F	HSL911
	12T	CSIXN.12F	HSL893
	13T	CSIXN.13F	HSL894
	14T	CSIXN.14F	HSL912
	15T	CSIXN.15F	HSL913
	16T	CSIXN.16F	HSL914
	17T	CSIXN.17F	HSL915
	18T	CSIXN.18F	HSL916
	19T	CSIXN.19F	HSL917
	20T	CSIXN.20F	HSL918
	21T	CSIXN.21F	HSL919
	22T	CSIXN.22F	HSL920

9-Spline Spacers

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

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



BSD05

[Ø1.6 Galvanized Cable+ 2P Casing]

HSK730 / BSD05.0900.BA0 / 900mm

HSK764 / BSD05.0950.BA0 / 950mm

HSK763 / BSD05.1000.BA0 / 1000mm

HSK736 / BSD05.1600.BA0 / 1600mm



BSD10

[Ø1.6 Slick Stainless Cable+ 2P Casing]

HSK747 / BSD10.0900.BA0 / 900mm

HSK748 / BSD10.0950.BA0 / 950mm

HSK749 / BSD10.1000.BA0 / 1000mm

HSK750 / BSD10.1600.BA0 / 1600mm



BSD01 [BF]

[Ø1.6 Galvanized Cable+ 2P Casing]

HSK740 / BSD01.0900.BA0 / 900mm



Brake Adjuster Assembly III

HSB307

3899.0000.172

HSB537 [Xylan]

3899.0000.458

[BF]



Brake Adjuster Assembly I

HSB422

3899.0000.154

HSB536 [Xylan]

3899.0000.457

[SBF, SAB3, AB3, AB5, X-FD, XL-FD, XL-FDD,
X-RD3, XL-RD3, X-RD5, XL-RD5, X-RD8]



BSD16

[Ø1.6 Slick Stainless Cable + SP Kevlar® Wrapped Casing]

HSK759 / BSD16.0900.BA0 / 900mm

HSK760 / BSD16.0950.BA0 / 950mm

HSK761 / BSD16.1000.BA0 / 1000mm

HSK762 / BSD16.1600.BA0 / 1600mm



BSD14

[Ø1.6 Slick Stainless Cable + SP Kevlar® Braided Casing]

HSK755 / BSD14.0900.BA0 / 900mm

HSK756 / BSD14.0950.BA0 / 950mm

HSK757 / BSD14.1000.BA0 / 1000mm

HSK758 / BSD14.1600.BA0 / 1600mm



BSD12

[Ø1.6 Slick Stainless Cable + SP Braided Casing]

HSK751 / BSD12.0900.BA0 / 900mm

HSK752 / BSD12.0950.BA0 / 950mm

HSK753 / BSD12.1000.BA0 / 1000mm

HSK754 / BSD12.1600.BA0 / 1600mm



Pinch Bolt

HSK715

3899.0000.124

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



15.5mm
HSL767
3899.0000.115



17.0mm (43/64")
HSL907
3899.0000.112



22.2mm (7/8")
HSL769
3899.0000.116



15.9mm (5/8")
HCB101
3899.0000.133



17.0mm (43/64")
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



Fulcrum Sleeve
HSJ515
3810.0505.003

Chainstay and Backstay



15.9mm (5/8")
HSJ553
3899.0000.102



17.9mm (45/64")
HSJ548
3899.0000.101



19.1mm (3/4")
HSJ753
3899.0000.103



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

Pulleys

Top tube and Down tube



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



25.4mm (1")
HSJ520
3899.0000.104

Dynohub Drum Brakes

Model Name	XL-FDD		X-FDD	
Model No.	HDS93.TBSS.AA2	HDS92.TBSS.AA2	HDS31.TBSS.AA2	HDS21.TBSS.AA2
Model No. (High Polish)	HDS93.TBSS.HA2	HDS92.TBSS.HA2	HDS31.TBSS.HA2	HDS21.TBSS.HA2
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

Brake Levers

Model Name	BLS80		BLS80	
Model Number	BLS80.LNN0.SA3	BLS80.RNN0.SA3	BLS80.LNN0.CA3	BLS80.RNN0.CA3
Side	Left Hand	Right Hand	Left Hand	Right Hand
Brake Compatibility	Drum / Roller / Cantilever		Drum / Roller / Cantilever	
Lever Length	4-Finger		4-Finger	
Lever Material	Aluminum		Aluminum	
Lever Comfort Pad	Replaceable Rubber Cartridge BLP80		Replaceable Rubber Cartridge BLP80	
Bracket Material	Aluminum		Aluminum	
Cable Adjuster	Anodized Aluminum		Anodized Aluminum	
Reach Adjuster	Dacromet Chromoly		Dacromet Chromoly	
Bracket Bolt	Dacromet Chromoly		Dacromet Chromoly	
Clamp Bolt	Dacromet Chromoly		Dacromet Chromoly	
Clamp Diameter	22.2mm		22.2mm	
Finish	(S)Painted Silver		(C) Chrome Plated	
Average Weight	125g	125g	125g	125g

Shifters 8-Speed Twist

Model No.	TSS86 R8 (S)	TSS86 R8 (A~U)	TSS82 R8 (S)	TSS82 R8 (A~U)
Sales No.	HSJ980	n/a	HSJ955	n/a
Type	Twist		Twist	
Speeds	8-Speed Wide Ratio (W)		8-Speed Wide Ratio (W)	
Cable Adjuster	●		●	
Cyclop Display	×		●	
Clamp Material	A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SUS302 Stainless Steel		SUS302 Stainless Steel	
Cable Type	Slick-Stainless		Slick-Stainless	
Cable Length	2,250mm	×	2,050mm	×
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	80g	n/a	78g	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	156g	n/a

Shifters 5-Speed Twist

Model No.	TSS56 R5 (S)	TSS56 R5 (A~U)	TSS55 R5 (S)	TSS55 R5 (A~U)
Sales No.	HSJ979	n/a	HSJ952	n/a
Type	Twist		Twist	
Speeds	5-Speed Wide Ratio (W)		5-Speed Wide Ratio (W)	
Cable Adjuster	×		×	
Clamp Material	A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Slick-Galvanized		Slick-Galvanized	
Cable Length	1,900mm	×	2,050mm	×
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	80g	n/a	78g	n/a

Shifters 5-Speed Thumb

Model No.	SLS50 T5 (S)	SLS50 T5 (A~U)	SLS50 B5 (S)	SLS50 S5 (S)	SLW5N R5 (N)	SLW5N R5 (A~U)
Sales No.	HSJ959	n/a	HSJ960	HSJ982	HSJ987	n/a
Type	(T) Thumbie		(B) Bar End	(S) 28.6mm Brazed	Thumb	
Speeds	5-Speed Wide Ratio (W)				5-Speed Wide Ratio (W)	
Cable Type	Slick-Galvanized				Slick-Galvanized	
Cable Length	1,950mm	×	2,400mm	1,950mm	Sold Separately	×
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	87g	n/a	105g	51g	54g	n/a

Shifters C30 Rotary 3-Speed Trigger

Model No.	DLC34 R3 (S)	DLC34 R3 (A~U)
Sales No.	HSJ940	n/a
Type	Dual Lever Trigger	
Speeds	3-Speed (C30 Rotary 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	156g	n/a

Shifters C30 3-Speed Twist

Model No.	TSC30 R3 (S)	TSC30 R3 (A~U)	TSS34 R3 (S)	TSS34 R3 (A~U)
Sales No.	HSJ976	n/a	HSJ931	n/a
Type	Twist		Twist	
Speeds	3-Speed (C30 Rotary Only)		3-Speed (C30 Rotary Only)	
Cable Adjuster	●		●	
Cyclop Display	×		●	
Clamp Material	A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SUS302 Stainless Steel	
Triangular Cover Screw	SCM435 Chromoly		SUS302 Stainless Steel	
Cable Type	Slick-Galvanized		Slick-Stainless	
Cable Length	1,900mm	×	1,900mm	×
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	80g	n/a	81g	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	156g	n/a

Shifters 3-Speed Twist

Model No.	TSS37 R3 (S)	TSS37 R3 (A~U)	TSS36 R3 (S)	TSS36 R3 (A~U)	TSS33 R3 (S)	TSS33 R3 (A~U)
Sales No.	HSJ978	n/a	HSJ977	n/a	HSJ939	n/a
Type	Twist		Twist		Twist	
Speeds	3-Speed		3-Speed		3-Speed	
Cable Adjuster	×		×		×	
Clamp Material	A6061 Aluminum		A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly		SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly		SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Galvanized		Galvanized		Galvanized	
Cable Length	1,900mm	×	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	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP	×	2SP	×	2SP
Weight	80g	n/a	62g	n/a	62g	n/a

Shifters 3-Speed Thumb

Model No.	SLS30 T3 (S)	SLS30 T3 (A~U)	SLS30 B3 (S)	SLS30 S3 (S)	SLS3C R3 (N)	SLS3C R3 (A~U)	SLS3N R3 (N)	SLS3N R3 (A~U)
Sales No.	HSJ962	n/a	HSJ963	HSJ981	HSJ762	n/a	HSJ823	n/a
Type	(T) Thumbie		(B) Bar End	(S) 28.6mm Brazed	Classic Trigger		Thumb	
Speeds	3-Speed				3-Speed		3-Speed	
Cable Type	Slick-Galvanized				Slick-Galvanized		Slick-Galvanized	
Cable Length	1,950mm	×	2,400mm	1,950mm	Sold Separately	×	Sold Separately	×
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	87g	n/a	105g	51g	68g	n/a	54g	n/a

Shifters 5 & 3-Speed Chopper Lever

Model No.	CLS51 R5	CLS50 R5	CLS5S R5	CLS5M R5	CLS31 R3	CLS30 R3	CLS3S R3	CLS3M R3
Sales No.	HSJ984	HSJ983	HSJ985	HSJ986	HSJ944	HSJ945	HSJ946	HSJ947
Type	Stick Arm Lever		Stick Arm Lever		Stick Arm Lever		Stick Arm Lever	
Speeds	5-Speed		5-Speed		3-Speed		3-Speed	
Lever Arm Material	Aluminum		Steel	Steel	Aluminum		Steel	Steel
Lever Arm Thickness	6mm		6mm	4mm	6mm		6mm	4mm
Lever Arm Shape	Curved		Curved	Straight	Curved		Curved	Straight
Light Weight Holes	●	×	×	●	●	×	×	●
Arm Finish	Anodized		Satin	Chrome	Anodized		Satin	Chrome
Cable Type	Sold Separately		Sold Separately		Sold Separately		Sold Separately	
Weight	377g	397.5g	658g	469g	377g	397.5g	658g	469g

Shifters S3X Fixed 3-Speed

Model No.	SLS3X T3 (S)	SLS3X T3 (A~U)	SLS3X B3 (S)	SLS3X S3 (S)
Sales No.	HSJ965	n/a	HSJ966	HSJ988
Type	(T) Thumbie		(B) Bar End	(S) 28.6mm Brazed
Speeds	3-Speed (S3X Fixed Only)			
Cable Type	Slick-Stainless			
Cable Length	1,950mm	×	2,400mm	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	87g	n/a	105g	51g

Internal Gear Hubs S80 (W)

Model Name		X-RD8 (W)	X-RK8 (W)		X-RF8 (W)		
Model No. (High Polish)		IHW8T.XBSS.HA1	IHW8K.XBLS.HA1	IHW8K.XBSS.HA1	IHW8F.XBLS.HA1	IHW8F.XBSS.HA1	IHW8F.XDSS.HA1
Speed		8-Speed					
Type		70mm Drum Brake	Disk Brake		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	128mm	135mm	120mm	120mm
R: Axle Protrusion Length		27mm	24mm	27mm	27mm	27mm	27mm
L: Axle Protrosion Length		26mm	26mm	20mm	23mm	28mm	28mm
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		42.2mm	41.0mm	39.8mm	43.1mm	35.9mm	35.9mm
Change Line : 3/32" Flat		46.0mm	44.9mm	43.6mm	46.9mm	39.7mm	39.7mm
Change Line : 3/32" Dished		42.4mm	45.1mm	40.0mm	43.4mm	36.2mm	36.2mm
Finish		High Polish Alloy	High Polish Alloy	High Polish Alloy	High Polish Alloy	High Polish Alloy	High Polish 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-RK5 (W)	S-RK5 (W)	X-RK5 (N)	S-RK5 (N)
Model No.	IHW5T.YBSS.AA0	IHW5T.XBSS.AA0	IHW5K.XBLS.AA0	IHW5K.QBLS.AA0	IHN5K.XBLS.AA0	IHN5K.QBLS.AA0
Model No. (High Polish)	IHW5T.YBSS.HA0	IHW5T.XBSS.HA0	×	×	×	×
Speed	5-Speed		5-Speed		5-Speed	
Type	90mm Drum Brake	70mm Drum Brake	Disk Brake		Disk Brake	
Hub Shell Material	A356 Aluminum	A356 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	256%		256%		256%
	1	62.5% (-) 37.5%	62.5% (-) 37.5%	62.5% (-) 37.5%	62.5% (-) 37.5%	62.5% (-) 37.5%
	2	75% (-) 25% [Gear 1 (+) 20%]	75% (-) 25% [Gear 1 (+) 20%]	75% (-) 25% [Gear 1 (+) 20%]	75% (-) 25% [Gear 1 (+) 20%]	75% (-) 25% [Gear 1 (+) 20%]
	3	100% Direct Drive [Gear 2 (+) 33%]	100% Direct Drive [Gear 2 (+) 33%]	100% Direct Drive [Gear 2 (+) 33%]	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%]	133.3% (+)33.3% [Gear 3 (+) 33%]	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%]	160% (+)60% [Gear 4 (+) 20%]	160% (+)60% [Gear 4 (+) 20%]	160% (+)60% [Gear 4 (+) 20%]
Axle Diameter	13/32" Slotted		13/32" Slotted		13/32" Slotted	
Axle Length	175mm	175mm	185mm	185mm	185mm	185mm
Over Locknut Dimension	130mm	130mm	135mm	135mm	135mm	135mm
R: Axle Protrusion Length	24mm	24mm	24mm	24mm	24mm	24mm
L: Axle Protrusion Length	21mm	21mm	26mm	26mm	26mm	26mm
Spoke Holes	36H	36H	36H	36H	36H	36H
Pitch Circle Diameter	109.0mm	89.8mm	89.4mm	67.0mm	89.4mm	67.0mm
Flange Width	72mm	73mm	58mm	65mm	58mm	65mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth	13~22T	13~22T	13~22T	13~22T	12~22T	12~22T
Chain Line: 1/8" Flat	50.9mm	50.9mm	45.6mm	45.6mm	45.6, 48.6mm	45.6, 48.6mm
Chain Line: 1/8" Dished	49.3, 52.7mm	49.3, 52.7mm	44.0, 48.4mm	44.0, 48.4mm	×	×
Chain Line: 3/32" Flat	50.6, 51.2mm	50.6, 51.2mm	45.3, 45.9mm	45.3, 45.9mm	45.9, 48.9mm	45.9, 48.9mm
Chain Line: 3/32" Dished	48.8, 53.0mm	48.8, 53.0mm	43.5, 48.7mm	43.5, 48.7mm	×	×
Indicator Type	Yellow	Yellow	Purple	Purple	Purple	Purple
Finish	Natural Alloy	Natural Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight	1,760g	1,570g	1,280g	1,165g	1,275g	1,160g

Internal Gear Hubs S50 (W)

Model Name	X-RF5 (W)		S-RF5 (W)		S-RF5 (N)
Model No.	IHW5F.XBSL.AA0	IHW5F.XBSS.AA0	IHW5F.QBSS.AA0	IHW5F.QDCS.AA0	IHN5F.QDCS.AA0
Model No. (High Polish)	×	×	×	×	×
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	148mm
Over Locknut Dimension	130mm	119mm	119mm	111mm	111mm
R: Axle Protrusion Length	24mm	24mm	24mm	19mm	19mm
L: Axle Protrusion Length	21mm	32mm	32mm	18mm	18mm
Spoke Holes	36H	36H	36H	28H	28H
Pitch Circle Diameter	89.4mm	89.4mm	67.0mm	67.0mm	67.0mm
Flange Width	58mm	58mm	53mm	53mm	53mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth	13~22T	13~22T	13~22T	13~22T	12~22T
Chain Line: 1/8" Flat	51.1mm	45.6mm	45.6mm	41.6mm	41.6, 44.6mm
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	41.9, 44.9mm
Chain Line: 3/32" Dished	49.0 , 53.2mm	43.5 , 47.7mm	43.5 , 47.7mm	39.5 , 43.7mm	×
Indicator Type	Yellow	Yellow	Yellow	Green	Green
Finish	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight	1,230g	1,220g	1,090g	1,060g	1,055g

Internal Gear Hubs S50 / S5S [W]

Model Name	X-RC5(W)	S-RC5(W)	S-RC5(N)	S5C(W)
Model No.	IHW5C.XBSS.AA0	IHW5C.QBSS.AA0	IHN5C.QBSS.AA0	IHW5C.WBSS.AA0
Model No. (High Polish)	×	×	×	×
Speed	5-Speed	5-Speed	5-Speed	5-Speed
Type	Coaster Brake	Coaster Brake	Coaster Brake	Coaster Brake
Hub Shell Material	6061 Aluminum	6061 Aluminum	6061 Aluminum	Steel
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	13/32" Slotted
Axle Length	175mm	175mm	175mm	175mm
Over Locknut Dimension	127mm	127mm	127mm	127mm
R: Axle Protrusion Length	24mm	24mm	24mm	24mm
L: Axle Protrusion Length	24mm	24mm	24mm	24mm
Spoke Holes	36H	36H	36H	36 H
Pitch Circle Diameter	89.4mm	67.0mm	67.0mm	65.0mm
Flange Width	58mm	65mm	65mm	66mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	14G
Sprocket Teeth	13~22T	13~22T	12~22T	13~22T
Chain Line: 1/8" Flat	49.8mm	49.8mm	49.8, 52.8mm	49.8mm
Chain Line: 1/8" Dished	48.1, 51.5mm	48.1, 51.5mm	×	48.1, 51.5mm
Chain Line: 3/32" Flat	49.4, 50.2mm	49.4, 50.2mm	50.2, 53.2mm	49.4, 50.2mm
Chain Line: 3/32" Dished	47.7, 51.9mm	47.7, 51.9mm	×	47.7, 51.9mm
Indicator Type	Yellow	Yellow	Yellow	Yellow
Finish	Anodized Alloy	Anodized Alloy	Anodized Alloy	Painted Silver
Weight	1,630g	1,510g	1,510g	1,600g

Internal Gear Hubs C30

Model Name		RX-RD3	RS-RF3
Model No.		IHC3T.XBSS.AA0	IHC3F.QBSS.AA0
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		135mm	129mm
R:Axle Protusion Length		27mm	27mm
L:Axle Protusion Length		23mm	29mm
Spocke Holes		36H	36H
Pitch Circle Diameter		89.8mm	67.0mm
Flange Width		63mm	53mm
Spocke Compatibility		13G & 14G	13G & 14G
Sprocket Teeth		17~18T	17~18T
Chain Line:3mm 17T Dished		45.6mm	41.7mm
Finish		Natural Alloy	Anodized Alloy
Weight		1,400g	1,300g

Internal Gear Hubs S30

Model Name	XL-RD3	X-RD3	S-RK3	S-RK3 (N)
Model No.	IHS3T.YBSS.AA0	IHS3T.XBSS.AA1	IHS3K.QBLS.AA0	IHN3K.QBLS.AA0
Model No. (High Polish)	IHS3T.YBSS.HA0	IHS3T.XBSS.HA1	×	×
Speed	3-Speed		3-Speed	
Type	90mm Drum Brake	70mm Drum Brake	Disk Brake Type	Disk Brake Type
Hub Shell Material	A356 Aluminum	A356 Aluminum	6061 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	185mm	185mm
Over Locknut Dimension	130mm	117mm	135mm	135mm
R: Axle Protrusion Length	26mm	23mm	24mm	24mm
L: Axle Protrusion Length	21mm	23mm	26mm	26mm
Spoke Holes	36H	36H	36H	36H
Pitch Circle Diameter	109.0mm	89.8mm	67.0mm	67.0mm
Flange Width	72mm	63mm	65mm	65mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth	13~22T	13~22T	13~22T	12~22T
Chain Line: 1/8" Flat	50.9mm	44.7mm	43.9mm	43.9, 46.9mm
Chain Line: 1/8" Dished	49.3, 52.7mm	43.1, 46.5mm	42.3, 45.7mm	×
Chain Line: 3/32" Flat	50.6, 51.2mm	44.3, 45.1mm	43.5, 44.3mm	44.3, 47.3mm
Chain Line: 3/32" Dished	48.8, 53.0mm	42.6, 46.6mm	41.8, 45.8mm	×
Indicator Type	MK4	MK3	MK9	MK9
Finish	Natural Alloy	Natural Alloy	Anodized Alloy	Anodized Alloy
Weight	1,720g	1,400g	1,085g	1,080g

Internal Gear Hubs S30

Model Name		S-RC3		S-RF3			S-RF3(N)
Model No.		IHS3C.QBLS.AA3	IHS3C.QBSS.AA3	IHS3F.QBLS.AA3	IHS3F.QBSS.AA3	IHS3F.QDCS.AA3	IHN3F.QDCB.AA3
Model No. (High Polish)		×	×	×	×	×	×
Speed		3-Speed		3-Speed			
Type		Coaster Brake		Freewheel			
Hub Shell Material		6061 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		175mm	163mm	175mm	163mm	148mm	148mm
Over Locknut Dimension		116mm	116mm	127mm	117mm	108mm	111mm
R: Axle Protrusion Length		30mm	26mm	24mm	22mm	20mm	18mm
L: Axle Protrusion Length		29mm	21mm	24mm	24mm	20mm	19mm
Spoke Holes		36H	36H	36H	36H	28H	28H
Pitch Circle Diameter		67.0mm	67.0mm	67.0mm	67.0mm	67.0mm	67.0mm
Flange Width		53mm	53mm	53mm	53mm	53mm	53mm
Spoke Compatibility		13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Sprocket Teeth		13~22T	13~22T	13~22T	13~22T	13~22T	12~22T
Chain Line: 1/8" Flat		45.6mm	43.9mm	43.1mm	43.1mm	40 mm	40 , 43mm
Chain Line: 1/8" Dished		44.0 , 47.4mm	42.3 , 45.7mm	41.5 , 44.9mm	41.5 , 44.9mm	38.4 , 41.8mm	×
Chain Line: 3/32" Flat		45.2 , 46.0mm	43.5 , 44.3mm	42.7 , 43.5mm	42.7 , 43.5mm	39.6 , 40.4mm	40.4 , 43.4mm
Chain Line: 3/32" Dished		43.5 , 47.5mm	41.8 , 45.8mm	41.0 , 45.0mm	41.0 , 45.0mm	37.9 , 41.9mm	×
Indicator Type		MK5	MK4	MK5	MK3	MK2	MK2
Finish		Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight		1,300g	1,290g	1,015g	995g	975g	970g

Internal Gear Hubs S3S

Model Name		AB3	SAB3	AWC		AW3		
Model No.		IHS3T.LBSS.SA4	IHS3T.SBSS.SA3	IHS3C.WBLS.SA3	IHS3C.WBSS.SA3	IHS3F.WBLS.SA3	IHS3F.WBSS.SA3	IHS3F.WDCS.SA3
Speed		3-Speed		3-Speed		3-Speed		
Type		90mm Drum Brake	70mm Drum Brake	Coaster Brake		Freewheel		
Hub Shell Material		Steel	Steel	Steel		Steel		
Gear Ratio	Overall Range	177%		177%		177%		
	1	75%	(-) 25%	75%	(-) 25%	75%	(-) 25%	
	2	100%	Direct Drive [Gear 1 (+) 33%]	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%]	133%	(+) 33.3% [Gear 2 (+) 33%]	
Axle Diameter		13/32" Slotted		13/32" Slotted		13/32" Slotted		
Axle Length		163mm	163mm	175mm	163mm	175mm	163mm	148mm
Over Locknut Dimension		117mm	118mm	116mm	116mm	127mm	117mm	108mm
R: Axle Protrusion Length		23mm	24mm	30mm	26mm	24mm	22mm	20mm
L: Axle Protrusion Length		23mm	21mm	29mm	21mm	24mm	24mm	20mm
Spoke Holes		36H	36H	36H	36H	36H	36H	28H
Pitch Circle Diameter		65.5mm 102.8mm	65mm 82.7mm	65mm	65mm	65mm	65mm	65mm
Flange Width		65.7mm	61.5mm	54.9mm	54.9mm	54.9mm	54.9mm	54.9mm
Spoke Compatibility		13G & 14G	13G & 14G	14G	14G	14G	14G	14G
Sprocket Teeth		13~22T	13~22T	13~22T	13~22T	13~22T	13~22T	13~22T
Chain Line: 1/8" Flat		44.6mm	45.4mm	45.6mm	43.9mm	43.1mm	43.1mm	40mm
Chain Line: 1/8" Dished		43.0 , 46.4mm	43.8 , 47.2mm	44.0 , 47.4mm	42.3 , 45.7mm	41.5 , 44.9mm	41.5 , 44.9mm	38.4 , 41.8mm
Chain Line: 3/32" Flat		44.2 , 45.0mm	45.0 , 45.8mm	45.2 , 46.0mm	43.5 , 44.3mm	42.7 , 43.5mm	42.7 , 43.5mm	39.6 , 40.4mm
Chain Line: 3/32" Dished		42.5 , 46.5mm	43.3 , 47.3mm	43.5 , 47.5mm	41.8 , 45.8mm	41.0 , 45.0mm	41.0 , 45.0mm	37.9 , 41.9mm
Indicator Type		MK3	MK3	MK5	MK4	MK5	MK3	MK2
Finish		Painted Silver	Painted Silver	Painted Silver	Painted Silver	Painted Silver	Painted Silver	Painted Silver
Weight		1,570g	1,410g	1,360g	1,350g	1,115g	1,095g	1,075g

Internal Gear Hubs SX

Model Name	SX-RK3	SX-RB3
Model No.	IHS3K.PBSS.AA1	IHS3B.PBSS.AAA
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.		IHT3C.QBSS.AA2	IHT3F.QBSS.AA1	IHQ3C.QBLS.AA3	IHQ5C.QBLS.AA3	
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	×			133.3%	(+)33.3% [Gear 3 (+) 33%]
	5	×			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	
Finish		Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight		1,360g	1,100g	1,800g	2,010g	

Internal Gear Hubs S3X

Model Name		S3X	
Model No. (Alloy Silver)		IHS3X.QBSS.AA0	IHS3X.QBLS.AA0
Model No. (Black)		IHS3X.QBSS.BA0	IHS3X.QBLS.BA0
Model No. (Gold)		IHS3X.QBSS.GA0	IHS3X.QBLS.GA0
Model No. (Red)		IHS3X.QBSS.RA0	IHS3X.QBLS.RA0
Model No. (Blue)		IHS3X.QBSS.2A0	IHS3X.QBLS.2A0
Model No. (Purple)		IHS3X.QBSS.3A0	IHS3X.QBLS.3A0
Type		Fixed Gear	
Speed		3-Speed	
Hub Shell Material		6061 Aluminum	
Gear Ratio	Overall Range	160%	
	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		165mm	174mm
Over Locknut Dimension		120mm	130mm
R: Axle Protrusion Length		22mm	21mm
L: Axle Protrusion Length		23mm	23mm
Spoke Holes		36H (32H/28H by request)	
Pitch Circle Diameter		67.0mm	67.0mm
Flange Width		53.5mm	53.5mm
Spoke Compatibility		13G & 14G	13G & 14G
Sprocket Teeth 1/8"		12~22T	12~22T
Sprocket Teeth 3/32"		12~22T	12~22T
Chain Line		42 , 43 , 44 , 45mm	42 , 43 , 44 , 45mm
Indicator		Orange	White
Finish		High Polish Double Anodized	
Weight		980g	990g

Front Hubs HBT

Model Name		HBT		
Model No. (Alloy Silver)		HBT30.F0AB.AA0	HBT30.F0AC.AA0	HBT30.F0AD.AA0
Model No. (Black)		HBT30.F0AB.BA0	HBT30.F0AC.BA0	HBT30.F0AD.BA0
Model No. (Gold)		HBT30.F0AB.GA0	HBT30.F0AC.GA0	HBT30.F0AD.GA0
Model No. (Red)		HBT30.F0AB.RA0	HBT30.F0AC.RA0	HBT30.F0AD.RA0
Model No. (Blue)		HBT30.F0AB.2A0	HBT30.F0AC.2A0	HBT30.F0AD.2A0
Model No. (Purple)		HBT30.F0AB.3A0	HBT30.F0AC.3A0	HBT30.F0AD.3A0
Hub Shell Material		6061 Aluminum		
Bearing		Sealed Cartridge Bearing (x2)		
Axle Diameter		9mm		
Over Lock Dimension		100mm		
Hub Axle Material		Chromoly		
Hub Axle Length		145mm		
Spoke Holes		36H	32H	28H
Pitch Circle Diameter		61.5mm		
Flange Width		71mm		
Finish		Hi-Polish Anodized		
Average Weight		273g		

Internal Gear Hubs F30

Model Name	CS-RF3	CS-RK3
Model No. (Alloy Silver)	IHF3F.QBSS.AA0	IHF3K.QBSS.AA0
Model No. (Black)	IHF3F.QBSS.BA0	IHF3K.QBSS.BA0
Speed	3 x 9/8-Speed	3 x 9/8-Speed
Type	Freewheel	Disk Brake Type
Hub Shell Material	6061 Aluminum	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	179mm	179mm
Over Locknut Dimension	135mm	135mm
R: Axle Protrusion Length	22mm	22mm
L: Axle Protrusion Length	22mm	22mm
Spoke Holes	36H (32H/28H by request)	
Pitch Circle Diameter	67mm	67mm
Flange Width	53mm	53mm
Spoke Compatibility	13G &14G	13G &14G
Cassette Sprocket Type	9/8-Speed	9/8-Speed
Max. Sprocket	34T	
Min. Sprocket	11T	
Chain Line:	45mm	45mm
Indicators	MK8	MK8
Finish	Anodized Alloy	Anodized Alloy
Weight	1,090g	1,155g

Internal Gear Hubs S20 / S2S

Model Name		S2		S2C	B2C
Model No. (Alloy Silver)		IHK2F.QBSS.AA0	IHK2F.QBCS.AA0	IHK2C.QBSS.AA0	×
Model No. (Black)		IHK2F.QBSS.BA0	IHK2F.QBCS.BA0	IHK2C.QBSS.BA0	IHK2C.WBSS.BA0
Model No. (Gold)		IHK2F.QBSS.GA0	IHK2F.QBCS.GA0	IHK2C.QBSS.GA0	×
Model No. (Red)		IHK2F.QBSS.RA0	IHK2F.QBCS.RA0	IHK2C.QBSS.RA0	×
Model No. (Blue)		IHK2F.QBSS.2A0	IHK2F.QBCS.2A0	IHK2C.QBSS.2A0	×
Model No. (Purple)		IHK2F.QBSS.3A0	IHK2F.QBCS.3A0	IHK2C.QBSS.3A0	×
Speed		2-Speed		2-Speed	2-Speed
Type		Freewheel		Coaster Brake	Coaster Brake
Hub Shell Material		6061 Aluminum		6061 Aluminum	Steel
Gear Ratio	Overall Range	138%		138%	
	1	100%	Direct Drive	100%	Direct Drive
	2	138%	(+)38% [Gear 1 (+) 38%]	138%	(+)38% [Gear 1 (+) 38%]
Axle Diameter		13/32" Slotted		13/32" Slotted	
Axle Length		160mm	148mm	162mm	162mm
Over Locknut Dimension		120mm	110mm	116mm	116mm
R: Axle Protrusion Length		20mm	19mm	23mm	23mm
L: Axle Protrusion Length		20mm	19mm	23mm	23mm
Spoke Holes		36H (32H/28H by request)		36H (32H/28H by request)	36H
Pitch Circle Diameter		67.0mm		67mm	65mm
Flange Width		53mm		53mm	55mm
Spoke Compatibility		13G & 14G		13G & 14G	14G
Sprocket Teeth		13~22T		13~22T	
Chain Line: 1/8" Flat		42.7mm	41.1mm	43mm	43mm
Chain Line: 1/8" Dished		40.9 , 44.5mm	39.3 , 42.9mm	41.2, 44.8mm	41.2, 44.8mm
Chain Line: 3/32" Flat		42.3, 43.1mm	40.7 , 41.5mm	42.6, 43.4mm	42.6, 43.4mm
Chain Line: 3/32" Dished		40.6, 44.8mm	39.0 , 43.2mm	41.1, 44.9mm	41.1, 44.9mm
Finish		High Polish Double Anodized		Hi-Polish Double Anodized	Painted Black
Weight		930g	920g	1,400g	1,390g

Front Drum Brake Hubs

Model Name	XL-FD	X-FD	BF	SBF
Model No.	THSLD.FBSS.AA0	THSXD.FBSS.AA1	THSLB.FBSS.SA4	THSSB.FBSS.SA0
Model No. (High Polish)	THSLD.FBSS.HA0	THSXD.FBSS.HA1	×	×
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.	THSXD.RBSS.AA0	THSXD.7BSS.AA0	THSXD.CBQS.AA0	THSXD.CBSS.AA0
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

Side Drum Brake Hubs

Model Name	XL-SD					
Model No.	THH90.LBQS.AA1	THH90.RBQS.AA1	THH80.LBSS.AA2	THH80.RBSS.AA2	THH80.LBCS.AA2	THH80.RBCS.AA2
Model No. (High Polish)	THH90.LBQS.HA1	THH90.RBQS.HA1	×	×	×	×
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	1,020g	960g	960g	935g	935g

Model Name	X-SD [X-FD(H)]					
Model No.	THH60.LBQS.AA1	THH60.RBQS.AA1	THH50.LBSS.AA2	THH50.RBSS.AA2	THH50.LBCS.AA2	THH50.RBCS.AA2
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.	FCSX4	FCSX6
Number of Teeth	34T	36T
Chainring Material	7075 Aluminum / Anodized + CNC	
Removable Chainring	●	
Crank Arm Spline Type	Integrated ISIS External BB	
Crank Arm Material	6061 Aluminum	
Axle Material	Chromoly	
Axle Diameter	Ø 24mm	
Axle Bolt	7075 Aluminum	
Crank Arm Length	172.5mm	
Chainring Bolts / Nuts	7075 Aluminum	
Bolt Circle Diameter	110mm	
Bottom Bracket (Included)	Model	BBS18 (A1)
	Shell 'W'	BSA 68mm
	Chain Line	45mm
	Weight	125g
Weight (Right)	470g	474g
Weight (Left)	260g	260g
Total Weight	855g	859g

Model No.	FCSS1	FCSS2
Number of Teeth	54T Flat or Dished*	56T Flat
Chainring Material	A5 Aluminum	
Removable Chainring	●	
Crank Style	Polished 5-Arm Spider	
Crank Arm Material	6061 Aluminum Forged	
Crank Arm Length	170mm	
Chainring Bolts / Nuts	SCM435 Chromoly	
Bolt Circle Diameter	130mm	
Chainguard Outer	A5 Aluminum	A5 Aluminum
Chainguard Inner	A5 Aluminum	×
Bottom Bracket (Optional)	Model	BBS18 / BBS15 (Sun Race)
	Shell 'W'	(S) 68mm
	Spindle 'L'	(G) 113 / (K) 119mm*
	Chain Line	45.0mm
Weight (Right)	425g (175mm)	435g (175mm)
Weight (Left)	205g (175mm)	205g (175mm)
Total Weight	630g (175mm)	640g (175mm)

*CG versions require Dished Chainring and 113mm Spindle.

Model No.	FCS74	FCS73	FCS72	FCS71	FCS70	FCS7B	FCS7S
Number of Teeth	44T	44T	44T	42T	42T	42T	42T
Chainring Material	A5 Aluminum	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel
Removable Chainring	●	●	●	●	●	●	×
Crank Style	4-Arm Spider A-Crank			4-Arm Spider A-Crank			I-Crank
Crank Arm Material	A356.2 Aluminum			A356.2 Aluminum			A356.2 Aluminum
Crank Arm Length	175mm / 170mm			175mm / 170mm			175mm / 170mm
Chainring Bolts / Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SUS302	×
Bolt Circle Diameter	104mm	104mm	104mm	104mm	104mm	104mm	×
Chainguard Outer	A5 Aluminum	A5 Aluminum	Hi-Tensile Steel	A5 Aluminum	Hi-Tensile Steel	A5 Aluminum	Hi-Tensile Steel
Chainguard Inner	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	×	×
Bottom Bracket (Optional)	Model	BBS18 / BBS15 (Sun Race)			BBS18 / BBS15 (Sun Race)		
	Shell 'W'	(S) 68mm			(S) 68mm		
	Spindle 'L'	(D) 110mm			(D) 110mm		
	Chain Line	45.0mm			45.0mm		
Weight (Right)	400g (175mm)	510g (175mm)	610g (175mm)	505g (175mm)	595g (175mm)	475g (175mm)	680g (175mm)
Weight (Left)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	205g (175mm)
Total Weight	610g (175mm)	720g (175mm)	820g (175mm)	715g (175mm)	805g (175mm)	685g (175mm)	885g (175mm)

*CG versions require Dished Chainring and 113mm Spindle.

Front Cranksets FCS

Model No.	FCS81	FCS80	FCS68	FCS66	FCS63	FCS62	FCS61	FCS60
Number of Teeth	33T	30T	38T	36T	33T	38T	36T	33T
Chainring Material	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel
Crank Style	I-Crank		C-Crank			C-Crank		
Crank Arm Material	A356.2 Aluminum		6061 Aluminum Forged			6061 Aluminum Forged		
Crank Arm Length	175mm/ 170mm		170mm			170mm		
Spider Diameter	92mm		110mm			92mm		
Chain Size	1/2" x 1/8"		1/2" x 3/32"			1/2" x 3/32"		
Chain Guard Option	✕		✕			✕		
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)		BBS15 (Sun Race)		BBS15 (Sun Race)		
	Shell 'W'	(S) 68mm		(S) 68mm		(S) 68mm		
	Spindle 'L'	(5) 115mm		(H) 116mm		(H) 116mm		
	Chain Line	45.0mm		45.0mm		45.0mm		
Weight (Right)	451g (175mm)	430g (175mm)	560g (175mm)	546g (175mm)	532g (170mm)	560g (175mm)	546g (175mm)	532g (170mm)
Weight (Left)	240g (175mm)	240g (175mm)	222g (170mm)	222g (170mm)	222g (170mm)	222g (170mm)	222g (170mm)	222g (170mm)
Total Weight	691g (175mm)	670g (175mm)	782g (175mm)	768g (175mm)	754g (175mm)	782g (175mm)	768g (175mm)	754g (175mm)

Model No.	FCS52	FCS51	FCS50	FCS32	FCS31	FCS30
Number of Teeth	38T	36T	33T	38T	36T	33T
Chainring Material	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel	Hi-Tensile Steel
Crank Style	I-Crank			A-Crank		
Crank Arm Material	A356.2 Aluminum			A356.2 Aluminum		
Crank Arm Length	175mm / 170mm			175/170/165/160/152mm		
Spider Diameter	92mm			92mm		
Chain Size	1/2" x 3/32"			1/2" x 3/32"		
Chain Guard Option	●	✕	✕	●	✕	✕
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)		BBS15 (Sun Race)		
	Shell 'W'	(S) 68mm		(S) 68mm		
	Spindle 'L'	(N) 122mm		(N) 122mm		
	Chain Line	45.0mm		45.0mm		
Weight (Right)	445g (175mm)	431g (175mm)	410g (175mm)	410g (175mm)	396g (175mm)	375g (175mm)
Weight (Left)	240g (175mm)	240g (175mm)	240g (175mm)	215g (175mm)	215g (175mm)	215g (175mm)
Total Weight	685g (175mm)	671g (175mm)	650g (175mm)	625g (175mm)	611g (175mm)	590g (175mm)

Front Cranksets FCT

Model No.		FCT68		FCT66		FCT64		FCT62	
Crank Arm Spline Type		Square Taper		Square Taper		Square Taper		Square Taper	
Number of Teeth		48T		46T		44T		42T	
Chainring Material		7075 Aluminum							
Chainring Finish		(A) High Polish Anodized Alloy Silver / (D) Anodized Black + CNC							
Crank Arm Material		Forged Aluminum							
Crank Arm Finish		High Polish Anodized (A) Alloy / (B) Black / (G) Gold / (R) Red / (2) Blue / (3) Purple							
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	BBS18		BBS18		BBS18		BBS18	
	Shell 'W'	(S) 68mm		(S) 68mm		(S) 68mm		(S) 68mm	
	Spindle 'L'	(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
Weight (Right)		455g (170)		447g (170)		424g (170)		426g (170)	
Weight (Left)		238g (170)		238g (170)		238g (170)		238g (170)	
Total Average Weight		693g (170)		685g (170)		662g (170)		664g (170)	

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							
Chainring Finish		Anodized Black + CNC							
Crank Arm Material		Forged Aluminum							
Crank Arm Finish		High Polish Anodized (A) Alloy Silver / (B) Black							
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	BBS18		BBS18		BBS18		BBS18	
	Shell 'W'	(S) 68mm		(S) 68mm		(S) 68mm		(S) 68mm	
	Spindle 'L'	(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
Weight (Right)		527g (170)		499g (170)		476g (170)		450g (170)	
Weight (Left)		238g (170)		238g (170)		238g (170)		238g (170)	
Total Average Weight		765g (170)		737g (170)		714g (170)		688g (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			
Chainring Finish	Anodized Black + CNC			
Crank Arm Material	Forged Aluminum			
Crank Arm Finish	Hi-Polish Anodized (A) Alloy Silver / (B) Black			
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	BBS15	BBS15
	Shell 'W'	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle 'L'	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Weight (Right)	566g (170)	541g (170)	516g (170)	491g (170)
Weight (Left)	210g (170)	210g (170)	210g (170)	210g (170)
Total Average Weight	776g (170)	751g (170)	726g (170)	701g (170)

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			
Chainring Finish	Anodized Black + CNC			
Crank Arm Material	Forged Aluminum			
Crank Arm Finish	Sandblast Anodized Matt Black			
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	BBS15	BBS15
	Shell 'W'	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle 'L'	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Weight (Right)	568g (170)	543g (170)	518g (170)	493g (170)
Weight (Left)	211g (170)	211g (170)	211g (170)	211g (170)
Total Average Weight	779g (170)	754g (170)	729g (170)	704g (170)

Bottom Brackets

Model No.		BBS18	BBS15
Type		Square Taper	Square Taper
Material	Axle	Steel	Steel
	Cups	Aluminum	Steel
	Sleeve	Aluminum (Cylindrical)	Steel (Cylindrical)
	Stopper	Engineering Polymers	Engineering Polymers
Bearing		Sealed Cartridge x 2	Sealed Cartridge x 2
Cup Thread		(B) BSA: BC1.37x24T	(B) BSA:BC1.37x24T
Shell Width		(S) 68mm	(S) 68mm
Spindle Length		(A) 103mm / (B) 107mm	(A) 103mm / (B) 107mm
Axle Thread		M8 x P1.0	M8 x P1.0
Axle Bolt		Standard: BAS05 / Optional: BAS15	Standard: BAS05 / Optional: BAS15
Finish		(S) Silver Alloy	(C) Chrome
Average Weight		260g (68/L113.5mm)	338g (68/L113.5mm)

Chain Tensioners

Model Name	CTS8X		CTS80	CTS70
Model No.	CTS8X SD (B)	CTS8X SD (S)	CTS80 SD (B)	CTS70 SD (B)
Cage Type	(S) Short		(S) Short	(S) Short
Mounting Type	(D) Direct		(D) Direct	(D) Direct
Speeds	Single		Single	Single
Max. Rear Sprocket	25T		25T	25T
Min. Rear Sprocket	18T		18T	18T
Link	Forged 6061 Aluminum		Forged 6061 Aluminum	Forged 6061 Aluminum
Outer Plate Cage	Aluminum / CNC		Aluminum	Steel
Innter Plate Cage	Aluminum		Aluminum	Steel
Bracket Bolt	7075 Aluminum / Gold Anodized		7075 Aluminum / Silver Anodized	7075 Aluminum / Silver Anodized
Guide Pulley	11T / 7075 / Sealed Cartridge Bearing		11T	11T
Tension Pulley	11T / 7075 / Sealed Cartridge Bearing		11T	11T
Applicable Dropout Width	5~9mm		5~9mm	5~9mm
Finish	(B) Black	(S) Silver-Black	(B) Black	(B) Black
Average Weight	168g		168g	200 g

Chains

Model	CNS22 (D)	CNS10 (D)	CNS10 (B)
Speed	Single / Internal Gear Hub	Single / Internal Gear Hub	Single / Internal Gear Hub
Pitch	1/2" x 3/32"	1/2" x 1/8"	1/2" x 1/8"
Pin Material	Steel	Steel	Steel
Pin Power	80kgf	80kgf	80kgf
Roller Material	Steel	Steel	Steel
Outer Plate Material	SAE1008	SAE1008	SAE1008
Inner Plate Material	SAE1008	SAE1008	SAE1008
Tensile Strength	820kg	1,000kgf	1,000kgf
Finish	(D) Dacromet	(D) Dacromet	(B) Black
Connect End Pin	●	●	●
Connect Guide Pin	×	×	×
Connect Easy Link	×	×	×

Model	CNX46 (S)	CNX56 (S)	CNX58(S)	CNX59(S)
Speed	Single / Fixed / BMX	Single / Fixed / BMX	Single / Fixed / BMX	Single / Fixed / BMX
Pitch	1/2" x 1/8"	1/2" x 1/8"	1/2" x 3/32"	1/2" x 3/32"
Pin Material	SCM420	Chromized SCM / Hollow Pin	SCM420	Chromized SCM / Hollow Pin
Pin Power	200kgf	200kgf	200kgf	200kgf
Roller	Steel	SCM435	SCM435	SCM435
Outer Plate Material	SAE1035	SAE1035	SAE1035	SAE1035
Inner Plate Material	SAE1035	SAE1035	SAE1035	SAE1035
Tensile Strength	1,300kgf	1,300kgf	1,300kgf	1,300kgf
Finish	(S) Silver Ni	(S) Silver Ni	(S) Silver Ni	(S) Silver Ni
Connect End Pin	○ (optional)	○ (optional)	○ (optional)	○ (optional)
Connect Guide Pin	CNPX1 (included)	CNPX1 (included)	CNPX3 (included)	CNPX3 (included)
Connect Easy Link	×	×	×	×

Guide Pins

Model	CNPX1	CNPX3
Chain Compatibility	CNX 1/8"	CNX 3/32"
Pin Width	9.6mm	7.8mm



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STURMEY-ARCHER



1971 French Bracelet Poster



Sun Race Sturmey-Archer Inc.

No. 51, Hai-Shan-Jung St. Hai-Hu Village,
Lu-Ju City, Taoyuan County, 338 Taiwan
Tel: +886 (3) 354-2691
Fax: +886 (3) 354-2858
E-mail: info@sunrace.com

Sun Race Sturmey-Archer Europe

Keienbergweg 79,
1101GE Amsterdam, The Netherlands
Tel: +31 (20) 609-0221
Fax: +31 (20) 609-0211
E-mail: info@sunrace.nl

Sun Race Sturmey-Archer USA

3212 Jefferson St. #409
Napa, CA 94558-3436 U.S.A.
Tel: +1 (707) 259-6700
Fax: +1 (707) 259-6710
E-mail: info@sunraceusa.com

<http://www.sunrace.com>
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