



2014 ~ 2015 / Product Catalogue



The Original And Best Since 1902

For 112 years, Sturmeley-Archer have been pioneers in the design and manufacture of internal gear hubs, hub brakes and dynohub lighting.



Henry Sturmeley

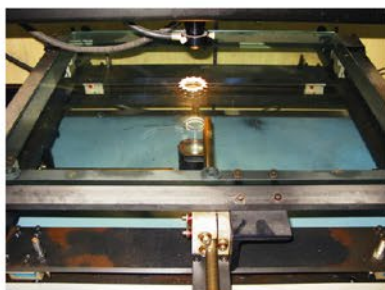
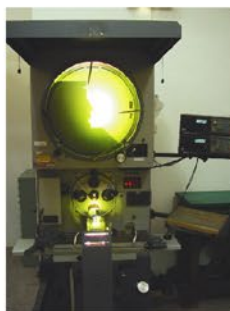


James Archer

This is a history of progressive research and development which has made cycling easier and safer.

This catalogue illustrates the complete range of Sturmeley-Archer cycle components, including the latest innovations.

www.sturmeley-archer.com www.sturmeley-archerheritage.com





1902
3-Speed Hub



1907
3-Speed Coaster



1910
X Gear Control



1910
Catalogue



1913
Tour de France



1918
KB 3-Speed
Drum Brake



1922
CC Single
Speed Coaster



1922
K Gear Control



1929
Nürnberg, Germany



1931
Motorcycle
Gearbox Ad



1933
TF 2-Speed Fixed



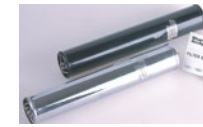
1938
Dynohub & TF 4-Speed



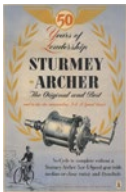
1939
Trigger Control



1946
ASC 3-Speed
Fixed



1951
Dry Battery Unit



1952
50 Years Poster



1953
The Original And Best
Poster



1955
Amsterdam, NL



1962
London-Cardiff
Record



1966
S5 5-Speed



1966
S2 Kick-Shift



1968
Chopper Shifters



1970
Lights



1972
Girl Poster



1977
SBF 70mm Front Drum Brake



1978
SAB 3-Speed
Drum Brake



1983
Dutch Ad



1983
S5/2 Alloy
5-Speed



1984
VT 70mm Front & AT3 3-Speed
70mm Rear



1985
Shifters



1988
AWC with Brass Brake



1992
Joint Trade Ad



1995
AT5 5-Speed
Drum Brake



1997
AT7 7-Speed
Drum Brake



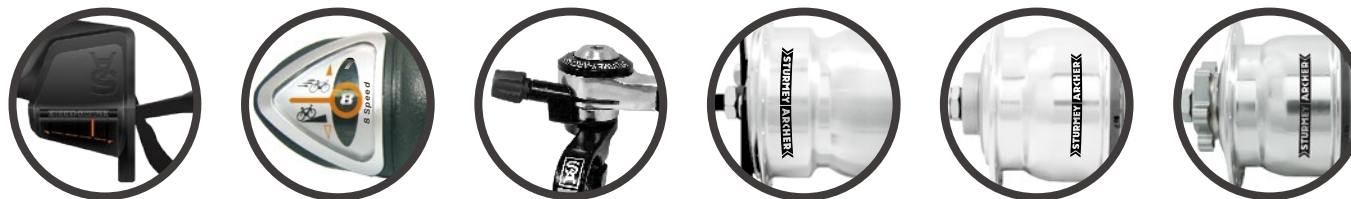
1997
Orion Shifter



1999
Summit Series



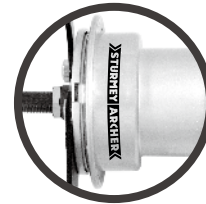
2000
New Home Advert

Dynohubs**Dynamo Hubs****P.6****580 (W)****8 Speed Hubs****P.8****C50****5 Speed Hubs****P.11****540****4 Speed Hubs****P.14****C30****Rotary 3 Speed Hubs****P.17**

530, 535

Classic 3 Speed Hubs

P.20



5X, QS, TS

Cruiser, Tricycle, Quadricycle Hubs

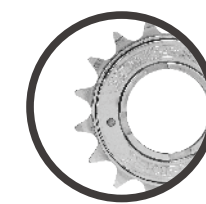
P.23



53X

Fixed 3 Speed, HBT Hubs

P.26



F30

Cassette Freehub 3 Speed

P.30



520

2 Speed Kick Shift

P.32



S1C, HBT, SF

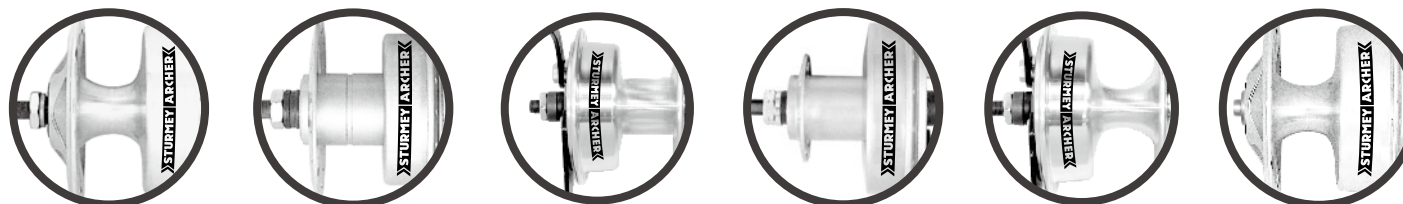
Single Speed Coaster Brake, Hubs, Freewheels P.34



Drum Brake Hubs

Front, Rear, and Side Hubs

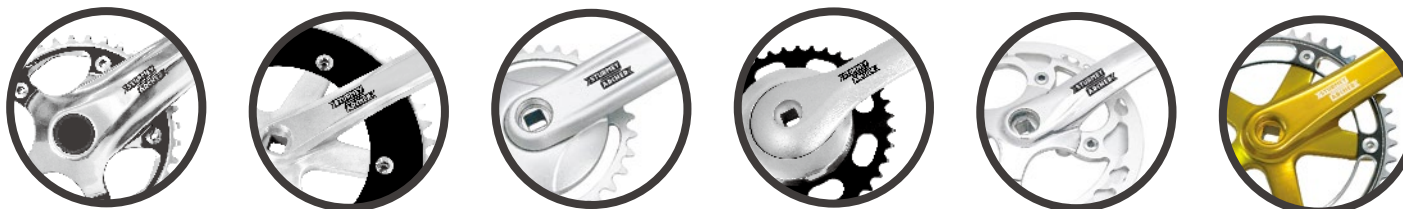
P.36



Front Cranksets

FCS, FCT

P.38



BL / CTS

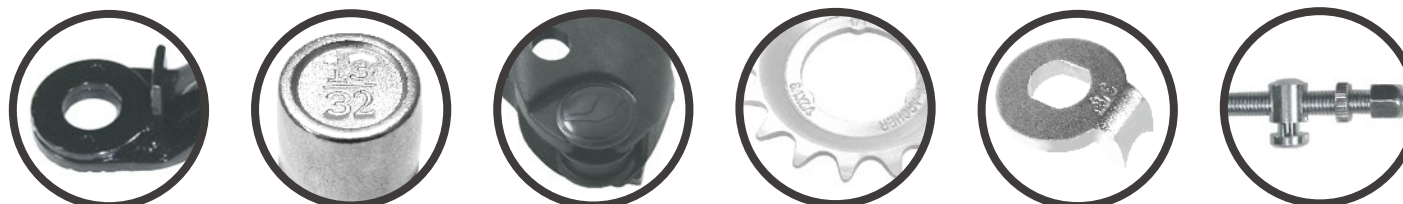
Levers, Chain Tensioners

P.42



Parts

P.43

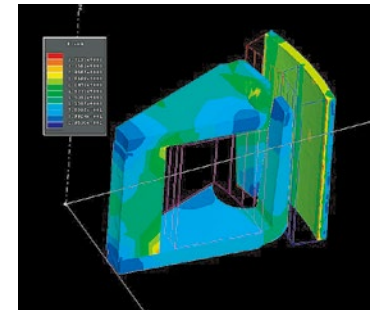
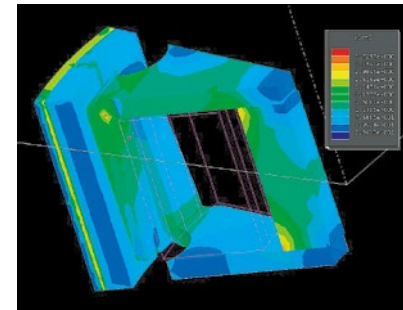
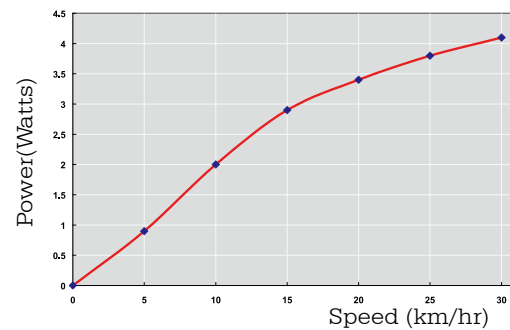
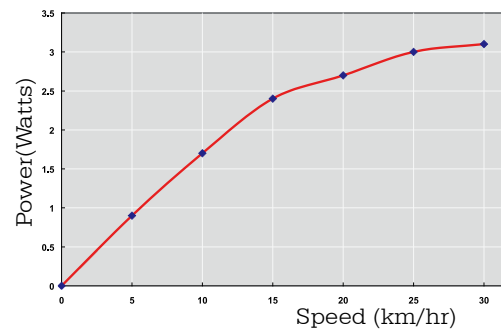
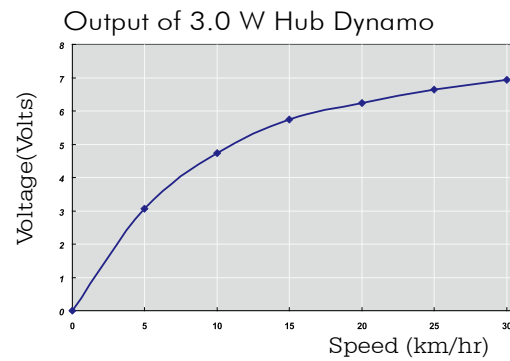
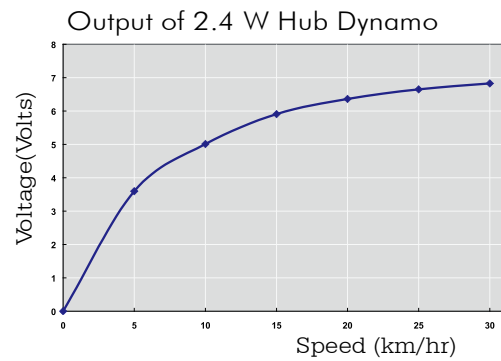


Specifications

<i>Brake Levers</i>	P.53
<i>Dynohub</i>	P.53
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<i>Shifters 4 Speed</i>	P.57
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<i>5 Speed Hubs</i>	P.64
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<i>Chain Tensioner</i>	P.86

- Dynohub in 2.4W and 3.0W
- Disc Brake Type available.
- Integrated 90mm and 70mm drum brakes available.
- CE & EN compliance.
- Aluminum hub shells
- Sealed cartridge bearings.
- Low rolling resistance.
- Sealed against weather conditions.



Dynohub Drum Brake



XL-FDD

HDS93T 6V*3.0W

HDS92T 6V*2.4W

90mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



X-FDD

HDS73T 6V*3.0W

HDS72T 6V*2.4W

70mm Front Drum Brake Hub
[Sealed Cartridge Bearing]



XL-SDD

HDH93T 6V*3.0W

HDH92T 6V*2.4W

90mm Side Drum Brake Dynohub
[Sealed Cartridge Bearing]



X-SDD

HDH73T 6V*3.0W

HDH72T 6V*2.4W

70mm Side Drum Brake Dynohub
[Sealed Cartridge Bearing]

Dynohubs



[S]

HDS13 6V*3.0W

HDS12 6V*2.4W

Front Dynohub
[Sealed Cartridge Bearing]



[B]



[S]

HDS23K 6V*3.0W

HDS22K 6V*2.4W

Front Disc Brake Dynohub
[Sealed Cartridge Bearing]



[B]



HMN386

3809.0205.141

HMN434 [Stainless]

3809.0205.160



HMW527

3809.0405.078



HMW528

3809.0405.081

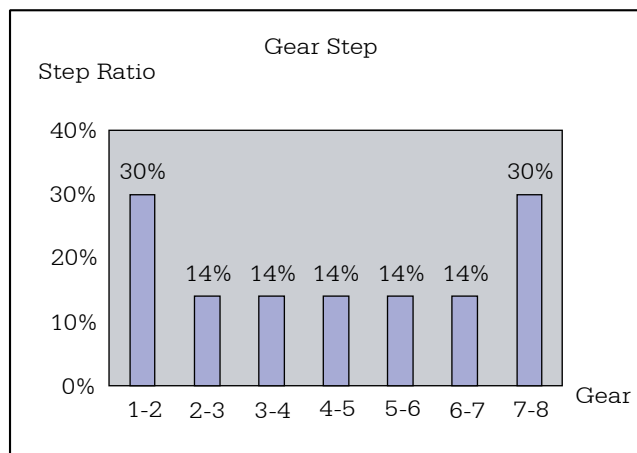
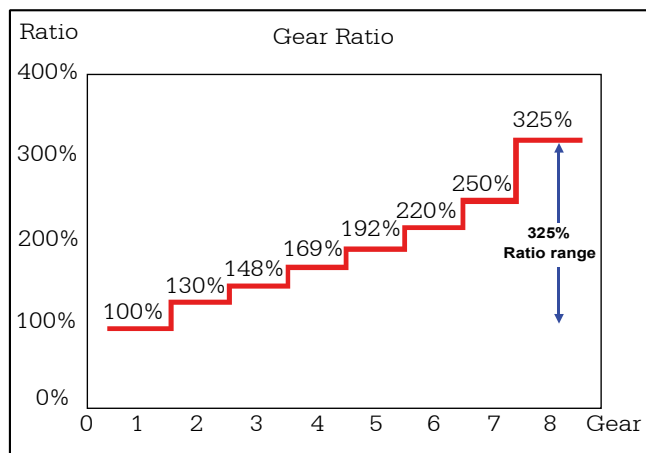


Washer 1/16"

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 disc brake.
- Polished aluminum hub shells.
- Twist shifter with light action and small rotating angle.
- Brake lever integrated with replaceable cartridge rubber padding.





DLS80
HSJ203



TSS86
HSJ980



SLS80-T HSJ204
SLS80-H HSJ205



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



X-RK8 [W]
8 Speed
Disc Brake Hub



X-RF8 [W]
8 Speed Hub



Dust Cap

HSL882

3809.0805.032



25T CP 1/8" Dished

HSL822

CSIMW.25D



25T CP 1/8" Flat

HSL972

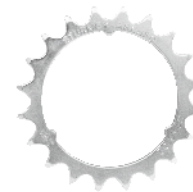
CSIMW.25F



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

25T CP 3/32" Flat

HSL971

CSIMN.25F

23T CP 3/32" Dished

HSL868

CSIMN.23D



Rotary Cable Anchorage

HSL977

3899.000.562



Fulcrum Lever

HSJ956

3810.0190.007



Fulcrum Lever Cilp

HSJ957

3810.0190.008



Dome Nut

HMN433 [Stainless]

3809.0205.159



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.SSSS



HSL880



HSL882



HSJ956



HSJ957



HMN433 (x 2)



HMW529 (x 2)

HFXW8.VSSS



HSL880



HSL882



HSJ956



HSJ957

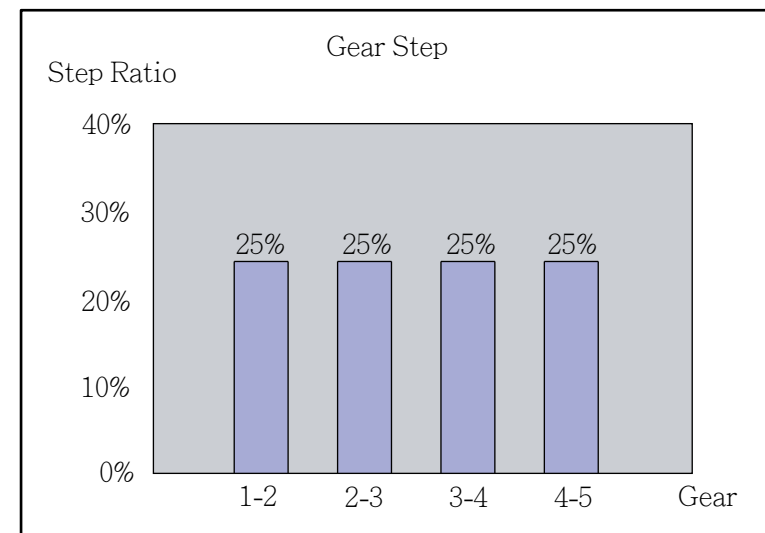
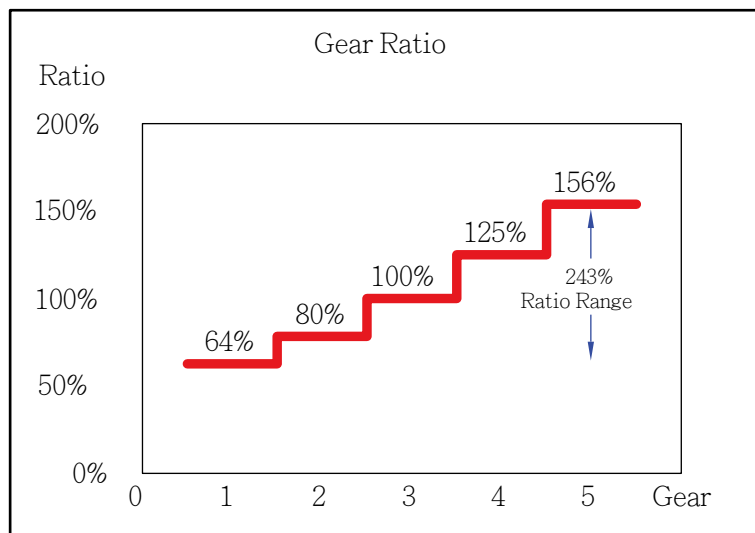


HMN433 (x 2)



HMW534 (x 2)

- 5-speed with gear ratio of 243%.
- Even gear steps of 25%, 25%, 25%, 25%.
- Rotary gear selector with no protrusions outside the frame.
- Designed for heavy duty use.
- Aluminum Hub Shell.
- Available with integrated 90mm and 70mm drum brakes, disc brake, freewheel, and EN approved coaster brake.





TSC50



SLC50-T
SLC50-H



DLC50



RXL-RD5
5 Speed
90mm Drum Brake Hub



RX-RD5
5 Speed
70mm Drum Brake Hub



RX-RK5
5 Speed
Disc Brake Hub



RX-RF5
5 Speed Hub



RX-RC5
5 Speed
Coaster Brake Hub



Dust Cap

HSL982

3809.0805.058



Sprocket Circlip

HSL981 [Xylan]

3809.0707.004



Rotary Cable Anchorage

HSL977

3899.000.562



Sprocket

1/8" [CP]	16T	CSIRW.16F	HSL989
	17T	CSIRW.17F	HSL993
	18T	CSIRW.18F	HSL991
	19T	CSIRW.19F	HSL992
3/32" [CP]	16T	CSIRN.16F	HSL985
	17T	CSIRN.17F	HSL986
	18T	CSIRN.18F	HSL987
	19T	CSIRN.19F	HSL988



Fulcrum Lever

HSJ212

3810.0190.009



Fulcrum Lever Clip

HSL983

3809.0705.038



Dome Nut

HMN388

3809.0205.140

HMN433 [Stainless]

3809.0205.159



Lock Washer

1 3/32" x 4mm x 9.5mm

HMW518

3809.0405.118

HMW529 [Xylan]

3809.0407.015

Fitting Sets

HFIC5 .SSSS



HSL981



HSL982



HSJ212



HSL983



HMN388 (*2)



HMW518 (*2)



HSL981



HSL982



HSJ212



HSL983

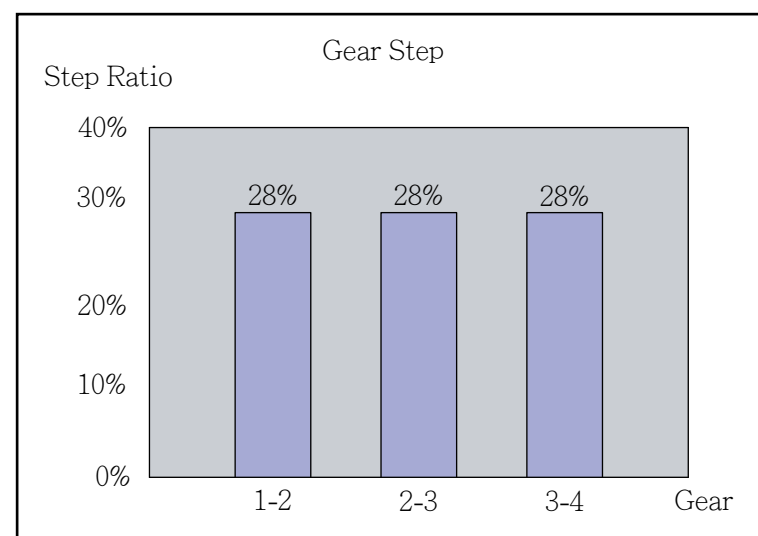
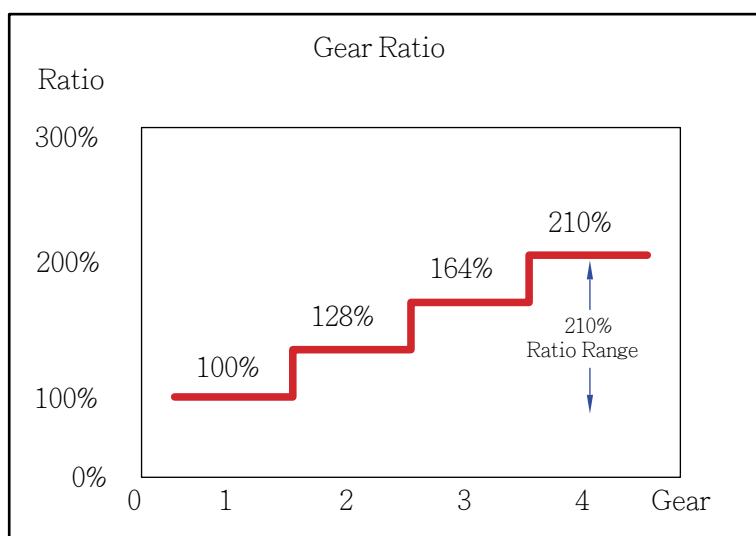


HMN433 (*2)



HMW529 (*2)

- 4-speed with gear ratio of 210%.
- Even gear steps of 28%, 28%, 28%.
- Patented modular technology.
- Rotary gear selector with no protrusions outside the frame.
- Direct drive in 1st gear allows use of smaller chainwheels.
- Available with integrated 70mm drum brakes, disc brake, freewheel, and EN approved coaster brake.





TSS42



SLS40-T
SLS40-H



DLS40



X-RD4
4 Speed
70mm Drum Brake Hub



X-RK4
4 Speed
Disc Brake Hub



X-RF4
4 Speed Hub



X-RC4
4 Speed
Coaster Brake Hub



HSJ213
3810.0190.010



S40 Cable Drum
HSJ214
3804.0605.007



Sprocket Circlip
HSL721
3809.0705.005
HSL879 [Xylan]
3809.0707.002



Sprocket Options (p.47)



HSL984
3809.0812.020



HSL990
3809.0705.027



Lock Washer
M10*4mm*9.5mm
HMW552
3809.0405.140
HMW551 [Xylan]
3809.0407.023



Dome Nut
HMN442
3809.0205.164
HMN441 [Stainless]
3809.0205.163

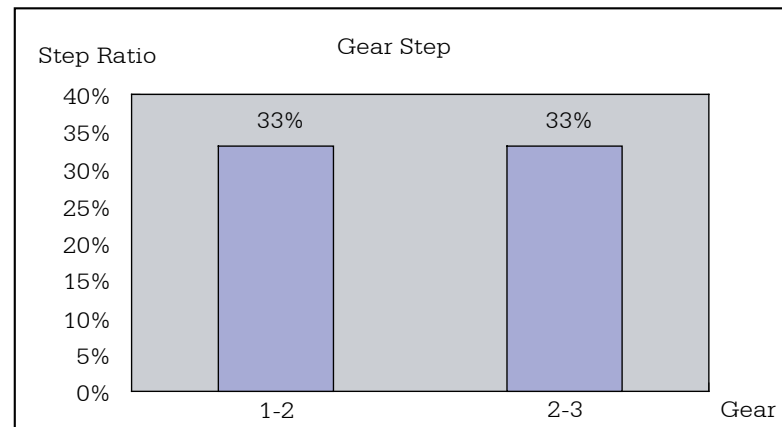
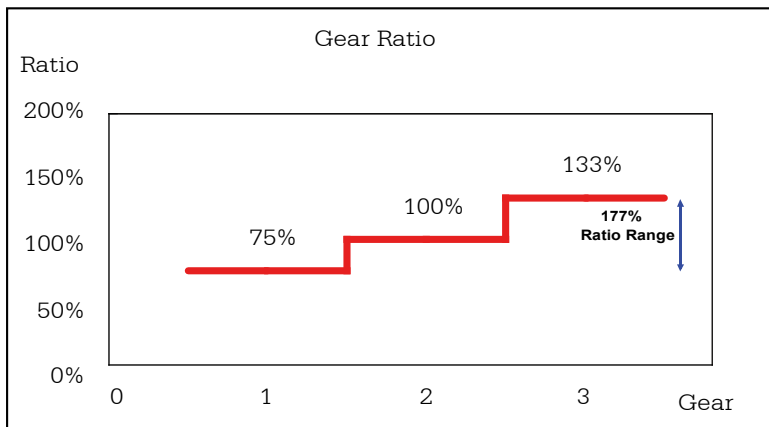
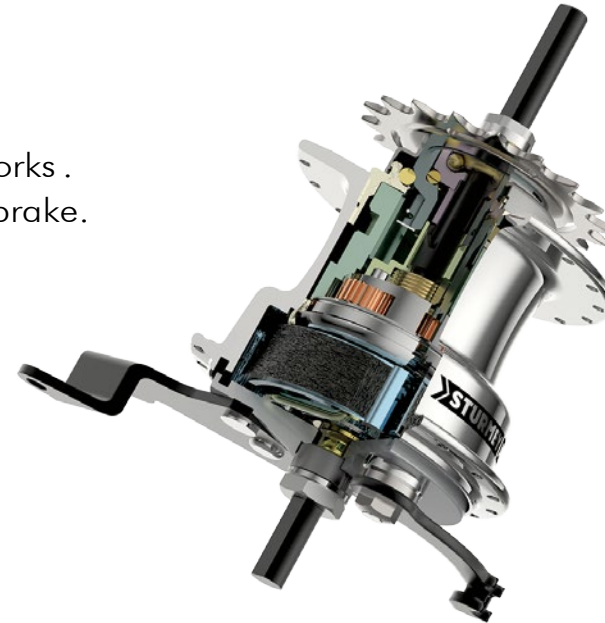


Rotary Cable Anchorage
HSL977
3899.0000.562

Fitting Sets

HFIC4 .SSSS							
	HSL721	HSL984	HSJ214	HSJ213	HSL990	HMN442 (*2)	HMW552 (*2)
HFXC4 .SSSS							
	HSL879	HSL984	HSJ214	HSJ213	HSL990	HMN441 (*2)	HMW551 (*2)

- 3-speed with standard gear ratio of 177%.
- Gear steps of 33% and 33%.
- Rotary gear selector change mechanism between the rear forks .
- Available as standard hub or with integrated 70mm drum brake.
- Aluminum shells.
- Twist shifter and trigger shifter option.





DLC34
HSJ940



TSC30
HSJ976



SLC30-T
SLC30-H



RX-RD3
3 Speed
70mm Drum Brake Hub



RS-RF3
3 Speed Hub



RS-RB3
3 Speed
Band Brake Hub



RS-RK3
3 Speed
Disc Brake Hub



Rotary Cable Anchorage
HSL977

3899.0000.562



17T

HSL827 [CP]
CSISW.17P

18T

HSL924 [CP]
CSISW.18P

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

19T

HSL965 [CP]
CSISW.19P



HMN406

3809.0205.151

HMN417 [Xylan]

3809.0212.005



HMN408

3809.0205.054



Lock Washer

3/8" x 4mm x 9.5mm

HMW530 [Xylan]

3809.0407.002

HMW521

3809.0405.121



HMN387

3809.0205.142

HMN435 [Stainless]

3809.0205.161

Fitting Sets



HFIC3.SSSS
HFXC3.SSSS

HSJ932
HSJ932



HMN406
HMN417



HSL721
HSL879

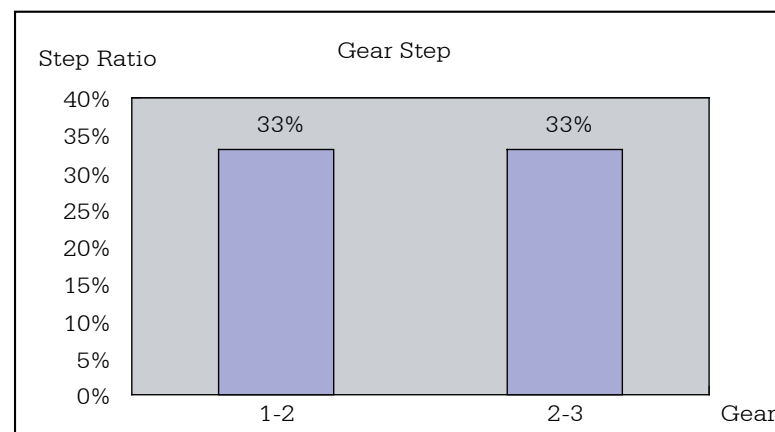
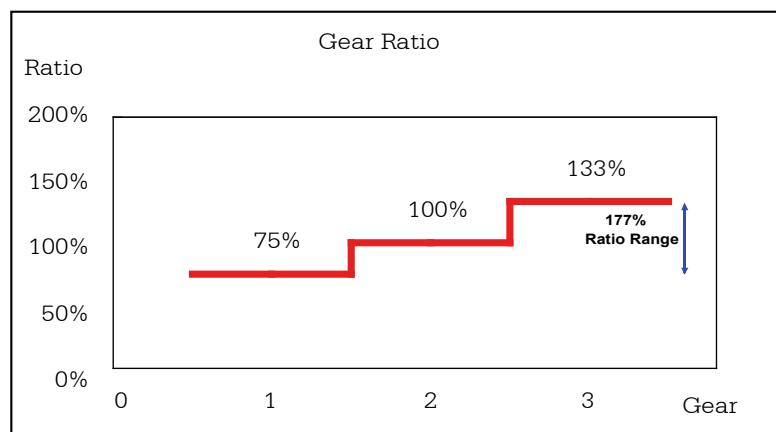
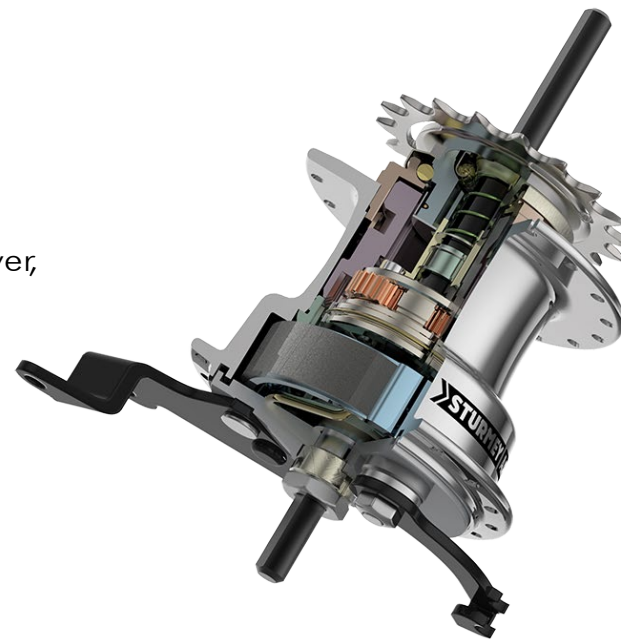


HMW521 (x 2)
HMW530 (x 2)



HMN387 (x 2)
HMN413 (x 2)

- Classic 3-speed with standard gear ratio of 177%.
- Gear steps of 33% and 33%.
- Disc 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.





SLS30-B
HSJ963
Bar End



SLS30-T [Ø 22.2] HSJ962
H [Ø 31.8] HSJ995
Thumb Shifter



SLS30-P [Ø 27.2]
HSJ993
Seat Post



SLS30-S [Ø 28.6mm]
HSJ981
Brazed On



DLS30
HSJ943



XL-RD3
3 Speed
90mm Drum Brake Hub



X-RD3
3 Speed
70mm Drum Brake Hub



TSS37
HSJ978



S-RK3 / S-RK3 [N]
3 Speed
Disc 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



SAB3
3 Speed
70mm Drum Brake Hub



AWC [II]
3 Speed
Coaster Brake Hub



AW
3 Speed Hub

SX**QS**

SX-RK3
3 Speed
Disc Brake Hub



SX-RB3
3 Speed
Band Brake Hub



QS-RC5
5 Speed
Reversible
Coaster Brake Hub
Fitting Sets HFIS5.YSSS (Page 25)



QS-RC3
3 Speed
Reversible
Coaster Brake Hub



CLS31
HSJ944



CLS30
HSJ945



CLS3S
HSJ946



CLS3M
HSJ947





TS-RC5

5 Speed

Coaster Brake Hub

Fitting Sets HFIS5.YSSS (Page 25)



TS-RC3

3 Speed

Coaster Brake Hub



T-S2C

2 Speed Kick Shift

Coaster Brake Hub



TS-RF5

5 Speed Hub

Fitting Sets HFIS5.YSSS (Page 25)



TS-RF3

3 Speed Hub



TS-RB3

3 Speed

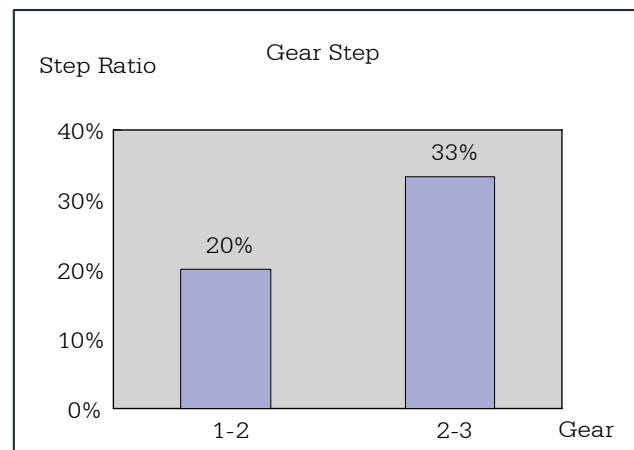
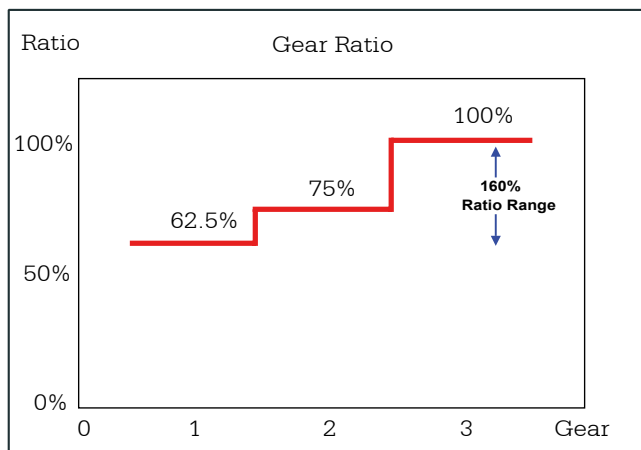
Band Brake Hub

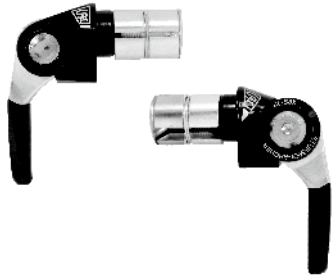


Fitting Sets

HFIS3.2HHA			 					
	HSA126	HSL721	HMN420 HSL884				HMN128	HMW526 (x 2)
HFIS3.3CSS			 					
	HSA315	HSL721	HMN129 HSL711				HMN388	HMW518 (x 2)
HFIS3.3SSS HFXS3.3SSS								
	HSA315	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFIS3.4CSS			 					
	HSA316	HSL721	HMN129 HSL711				HMN388	HMW518 (x 2)
HFIS3.4SSS HFXS3.4SSS								
	HSA316	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFIS3.5CSS			 					
	HSA420	HSL721	HMN129 HSL711				HMN388	HMW518 (x 2)
HFIS3.5SSS HFXS3.5SSS								
	HSA420	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFIS3.9HSV			 					
	HSA715	HSL721	HMN420 HSL884				HMN388	HMW534 (x 2)
HFIS5.YSSS								
	HSA585	HSL721	HSA650	HMN128	HSJ905	HSA620	HMN388	HMW518 (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 12T~22T in chrome plated finish.
- 3/32" sprocket available with 13T~22T 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
HSJ966
Bar End



SLS3X-T [ø 22.2] HSJ965
H [ø 31.8] HSJ990
Thumb Shifter



SLS3X-P [ø 27.2]
HSJ991
Seat Post



SLS3X-S [ø 28.6mm]
HSJ988
Brazer On



S3X
3 Speed
Fixed Gear Hub

Color Options



[B]



[G]



[R]



[2]



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



Mark Orange I
HSA652
3810.0605.036

Mark Orange II
HSA713
3810.0605.037

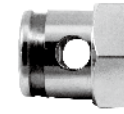
*Standard Guide Nut Only



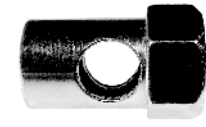
Mark White I
HSA653
3810.0605.038

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
3809.0405.118
HMW529 [Xylan]
3809.0407.015



Nut
HMN128
3809.0205.144
HMN411 [Xylan]
3809.0212.011



Dome Nut
HMN388
3809.0205.140
HMN433 [Stainless]
3809.0205.159



Dust Cap
HSL701
3809.0810.001



Lock-Ring
HSL896
3809.0812.005



Sprocket Spacer
Options
(Page 48)

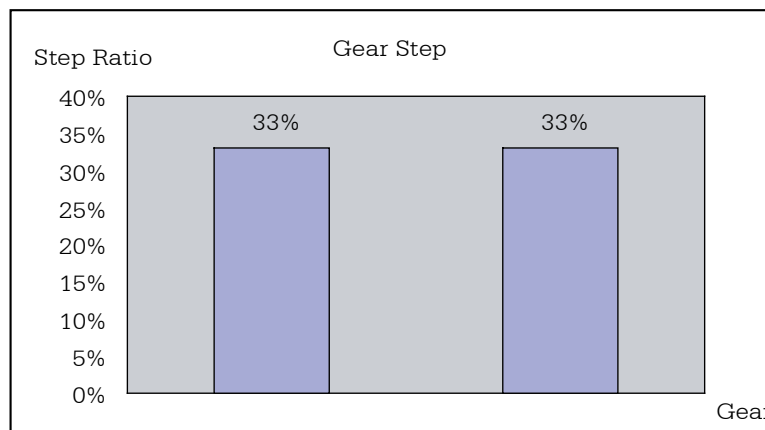
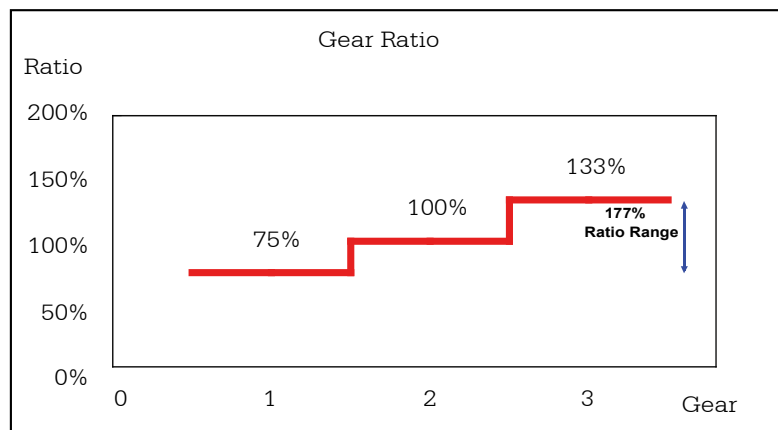


CSIX Sprocket
Options
(Page 48)

Fitting Sets

HFS3X.SSSS								
	HSA652	HSL701	HSL896	HMW538 (x 2)	HMW537 (x 2)	HMN420	HMN388	HMW518 (x 2)
HFS3X.WSSS								
	HSA653	HSL701	HSL896	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 disc 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
Disc Brake Cassette Freehub



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

Fitting Sets

HFIF3.8SSV

HSA716

HSL922
3809.0812.013
Dust Cap

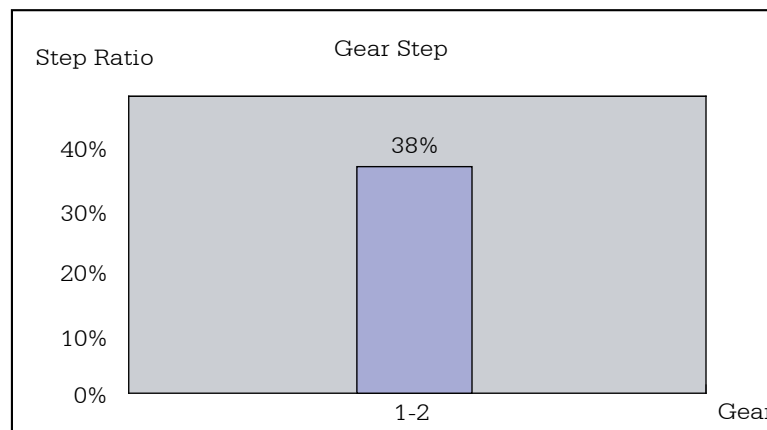
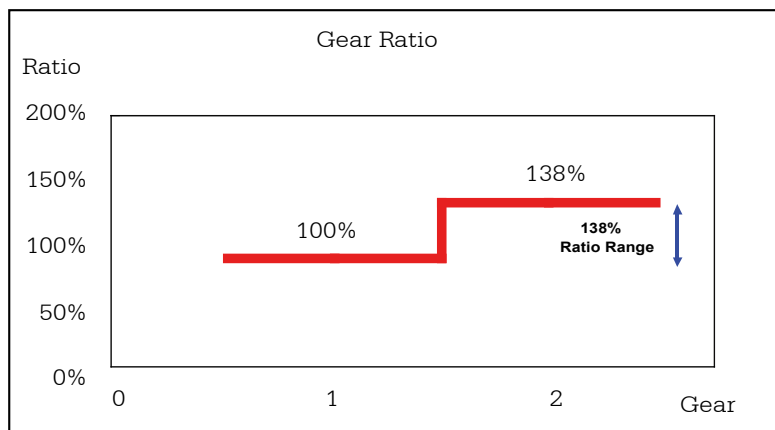
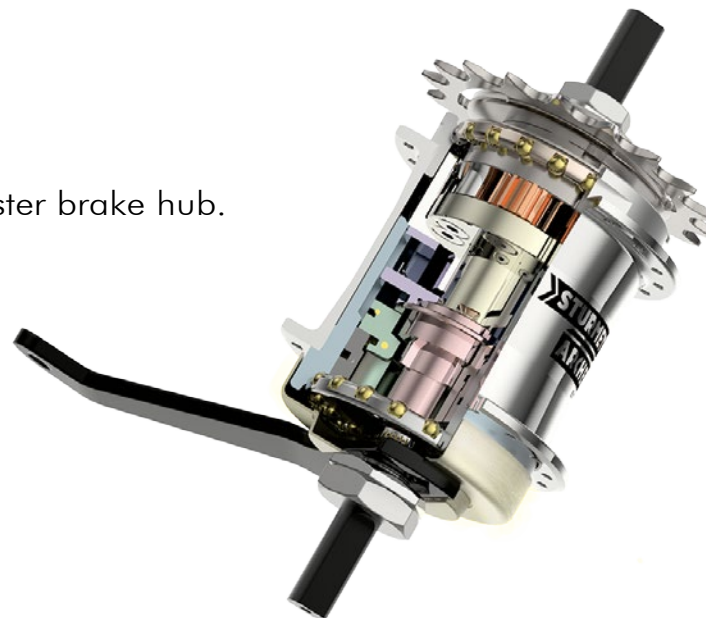
HMN420

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, disc brake hub or integrated coaster brake hub.
- Available in aluminum polished and anodized hub shell.





S2
2 Speed Kick Shift Hub



S2C
2 Speed Kick Shift
Coaster Brake Hub



S2K
2 Speed Kick Shift
Disc Brake Hub

Color Options



[B]



[G]



[R]



[2]

Fitting Sets

HFS20.S0SS



HSL721



HMN388 (x 2)



HMW518 (x 2)

HFS2C.SCSS



HSL721



HSL921
3809.0812.009
Dust Cap



HMW127 (x2)
3809.0405.014
Sprocket Spacer



HMN388 (x 2)



HMW518 (x 2)

- Single coaster brake designed for adult bikes.
- High precision, low friction, roller operated brake.
- Chromoly M10 axle.
- Aluminum hub shells with anodized color options.



S1C
Single Speed
Coaster Brake Hub

Color Options



[B]



[G]



[R]



[2]



Sprocket Options (Page 47)



HBT30-F
Front Hub



HB
Rear Hub

Color Options



[B]



[G]



[R]



[2]



M10 Dome Nut
HMN433 [Stainless]
3809.0205.159



HBT Lockring
HSL970
3809.0809.003



M9
HMN426
3899.0000.471

M10
HMN427
3899.0000.472



M9 Dome Nut
HMN434 [Stainless]
3809.0205.160

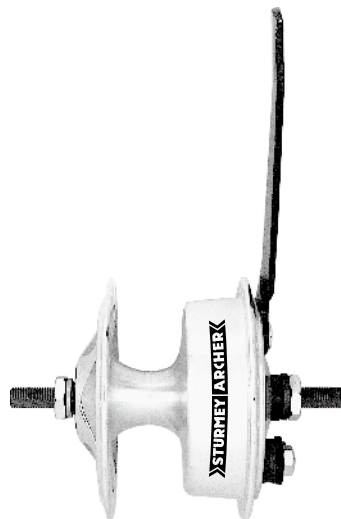
	1/8"	3/32"
16T	SFS30.W16	SFS30.N16
17T	SFS30.W17	SFS30.N17
18T	SFS30.W18	SFS30.N18
19T	SFS30.W19	SFS30.N19
20T	SFS30.W20	SFS30.N20
21T	SFS30.W21	SFS30.N21
22T	SFS30.W22	SFS30.N22

Drum Brake Hubs

Front & Rear



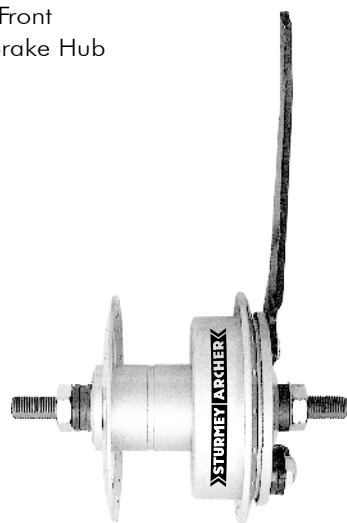
XL-FD
90mm Front
Drum Brake Hub



X-FD
70mm Front
Drum Brake Hub



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

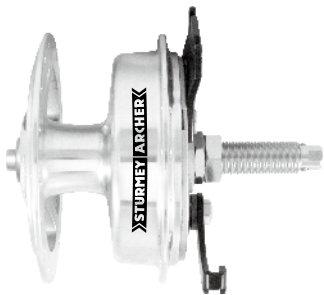


SBF
70mm Front
Drum Brake Hub



X-RD
70mm Rear
Drum Brake for Freewheel
R [Single Speed]
7 [7-Speed]

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



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



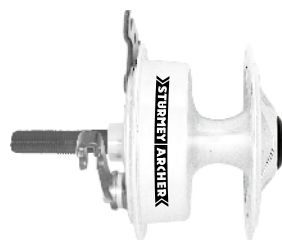
X-SD [Q]
THH60 L
70mm Left
Drum Brake Hub
Q [QR Axle Type]



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



X-SD [S/C/B]
THH50 L
70mm Left
Drum Brake Hub
S [Solid Axle 130mm]
C [Solid Axle 100mm]
B [Solid Axle 90mm]



X-SD [S/C/B]
THH50 R
70mm Right
Drum Brake Hub
S [Solid Axle 130mm]
C [Solid Axle 100mm]
B [Solid Axle 90mm]

Left & Right Side

* for Side Dynohub Drum Brakes, please refer to page 7.

XL-SD Hub Shell 36H Assy. (w/ 6001-ZZ x2)	HSB520	3899.0000.406
XL-SD Hub Shell 32H Assy. (w/ 6001-ZZ x2)	HSB541	3899.0000.502
XL-SD Hub Shell 28H Assy. (w/ 6001-ZZ x2)	HSB540	3899.0000.501

90mm Left Brake Plate Assy. (w/ QR Base)	HSB519	3899.0000.405
90mm Right Brake Plate Assy. (w/ QR Base)	HSB518	3899.0000.404
Quick Release Axle	HSL819	3809.0205.058

90mm Left Brake Plate Assy.	HSB517	3899.0000.403
90mm Right Brake Plate Assy.	HSB516	3899.0000.402
Inner Washer "A2"	HMW539	3809.0405.110
Outer Washer	HMW533	3809.0405.036
130 mm Solid Axle	HSL881	3805.0205.030
100 mm Solid Axle	HSL885	3805.0205.029
90mm Solid Axle	HSL898	3805.0205.035
M12 Nut	HMN421	3809.0205.124
M12 Nut w/ Non-Slip	HMN422	3809.0205.119
Rubber End Cap	HSL979	3810.0505.040

X-SD Hub Shell 36H Assy. (w/ 6001-ZZ x2)	HSB500	3899.0000.393
X-SD Hub Shell 32H Assy. (w/ 6001-ZZ x2)	HSB539	3899.0000.500
X-SD Hub Shell 28H Assy. (w/ 6001-ZZ x2)	HSB538	3899.0000.488

70mm Left Brake Plate Assy. (w/ QR Base)	HSB514	3899.0000.354
70mm Right Brake Plate Assy. (w/ QR Base)	HSB515	3899.0000.355
Quick Release Axle	HSL819	3809.0205.058

70mm Left Brake Plate Assy. "A2"	HSB530	3899.0000.307
70mm Right Brake Plate Assy. "A2"	HSB531	3899.0000.308
Inner Washer "A2"	HMW539	3809.0405.110
Outer Washer	HMW533	3809.0405.036
130 mm Solid Axle	HSL881	3805.0205.030
100 mm Solid Axle	HSL885	3805.0205.029
90mm Solid Axle	HSL898	3805.0205.035
M12 Nut	HMN421	3809.0205.124
M12 Nut w/ Non-Slip	HMN422	3809.0205.119
Rubber End Cap	HSL979	3810.0505.040

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.

FCS75 44T Aluminum w/ Aluminum OCG and Aluminum ICG

[SCM435 Bolts & Nuts]

FCS7B 42T Steel w/ Aluminum OCG.

[SUS302 Bolts & Nuts]



FCSS1 54T

[Double Chain Guard]



[Black]



FCSS2 56T

[Single Chain Guard]



[Black]

[CNC Option]

Front Cranksets FCS



FCS80 30T
FCS81 33T
[Aluminum I-Crank]
[3mm Chainring]



FCSA3 33T
FCSA6 36T
FCSA8 38T
[Aluminum A-Crank]
[2mm Chainring]

FCSB8 38T
[Aluminum A-Crank]
[3mm Chainring]



FCS50 33T
FCS51 36T
FCS52 38T
[Aluminum I-Crank]
[2mm Chainring]

FCS52
[CGs]



FCS30 33T
FCS31 36T
FCS32 38T
[Aluminum A-Crank]
[2mm Chainring]

FCS32
[CGs]

Front Cranksets FCT



AD [Alloy + Black]

FCT88 48T [Integrated Through Axle]
 FCT86 46T [6061 Forged Alloy Crank]
 FCT84 44T [7075 Chainring]
 FCT82 42T [7075 Bolts & Nuts]
 [PCD 144mm]
 [Polished Anodized Finish Crank]
 [Black Anodized + CNC Chainring]



BBRS



AA [Alloy + 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]

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]



BD
[Black + Black]



GD
[Gold + Black]



RD
[Red + Black]



2D
[Blue + Black]



BA
[Black + Alloy]



GA
[Gold + Alloy]



RA
[Red + Alloy]



2A
[Blue + Alloy]



BD
[Black + Black]



GD
[Gold + Black]



RD
[Red + Black]



2D
[Blue + Black]

Front Cranksets FCT



AD [Alloy + Black]

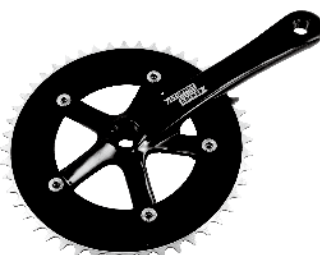


BD [Black + Black]

- 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]

Other Components



BLS80
[For Drum/Roller/Cantilever]

BLM80
[For V-Brake]
S [Silver]



BLS80-P
[For Drum/Roller/Cantilever]
Parking Brake Button
S [Silver]



CTS8X [B]



CTS8X [S]



CTS86



CTS70
[Steel Cage]

Parts



Nuts | Washers

Front Hub



M9

Front Hub

XL-FD X-FD
XL-FDD X-FDD
HBT30-F

Rear Hub
X-RD



Hex15

HMN386
3809.0205.141



Hex15

HMN426
3899.0000.471



HMW528
3809.0405.081



Washer 1/32"
HMW550 (0.8mm)
3809.0405.013

Front Hub

3/8"

BF SBF



Hex15

HMN387
3809.0205.142



Hex15

HMN118
3809.0205.150



Washer 1/16"
HMW146 (1.6mm)
3809.0405.012

Rear Hub

RS-RF3, RS-RB3
RX-RD3, RS-RK3

HMN435 [Stainless]
3809.0205.161

HMN416 [Xylan]
3809.0212.020



Washer 1/8"
HMW129 (3.2mm)
3809.0405.123

Rear Hub



13/32"

All Rear Hubs
[Excluding C30,S40
Series, S1C,HBT &
X-RDC]



Hex15

HMN388
3809.0205.140
HMN433 [Stainless]
3809.0205.159



Hex15

HMN128
3809.0205.144
HMN411 [Xylan]
3809.0212.011



Washer 3/16"
HMW483 (4.8mm)
3809.0405.015

M10
HBT30-R
X-RDC
S40
S1C



HMN441 [Stainless]
3809.0205.163



Hex15

HMN427
3899.0000.472



Washer 1/4"
HMW484 (6.4mm)
3809.0405.017

Classic 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
3810.0605.034



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)



HSJ542
3104.0505.037



HSJ828
3104.0405.002



HSJ954
3899.0000.353 (Aluminum)

HSJ998
3899.0000.570 (Aluminum. Slotted)

Shifter Cable/Casing Set



Twist Shifter
HSJ887 (1420mm)



SLS3N, SLS5N, SLW5N Shifter
HSJ802 (1400mm)



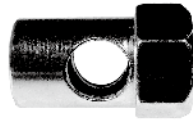
Orion Shifter
HSJ883 (1420mm)



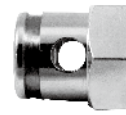
Classic Trigger
HSJ102 (1420mm)
HSJ101 (530mm)



Classic Parts



Guide Nut-Standard
HMN129
3809.0213.001
HMN418 [Xylan]
3809.0217.002



Guide Nut - Short
HMN420
3809.0225.003
HMN436 [Xylan]
3809.0225.010



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 (8mm)
HMN128
3809.0205.144
HMN411 [Xylan]
3809.0212.011



Nut (6mm)
HMN440
3809.0205.157

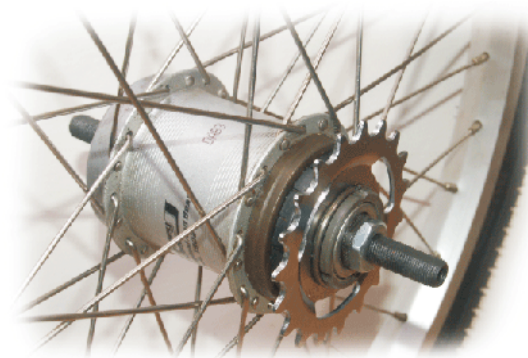


Locating Washer
HSJ929
3810.0105.008

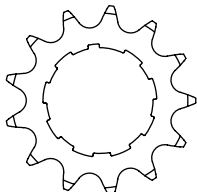
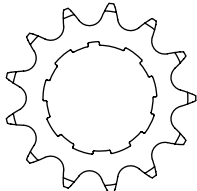


CP

Sprocket Teeth	24	22	21	20	19	18	17	16	15	14	13
Sprocket Thickness 1/8"											
Deep Dished											
					CSISW.19P HSL965 [CP]	CSISW.18P HSL924 [CP]	CSISW.17P HSL827 [CP]				
Dished											
	CSISW.24D HSL876 [CP]	CSISW.22D HSL830 [CP]	CSISW.21D HSL832 [CP]	CSISW.20D HSL834 [CP]	CSISW.19D HSL836 [CP]	CSISW.18D HSL838 [CP]	CSISW.17D HSL840 [CP]				
Flat											
	CSISW.22F HSL942 [CP]	CSISW.21F HSL941 [CP]	CSISW.20F HSL940 [CP]	CSISW.19F HSL842 [CP]	CSISW.18F HSL844 [CP]	CSISW.17F HSL846 [CP]	CSISW.16F HSL848 [CP]	CSISW.15F HSL850 [CP]	CSISW.14F HSL852 [CP]	CSISW.13F HSL854 [CP]	
Sprocket Thickness 3/32"											
Dished											
					CSISN.19D HSL858 [CP]	CSISN.18D HSL860 [CP]	CSISN.17D HSL862 [CP]				
Flat											
	CSISN.22F HSL951 [CP]	CSISN.21F HSL950 [CP]	CSISN.20F HSL949 [CP]	CSISN.19F HSL948 [CP]	CSISN.18F HSL947 [CP]	CSISN.17F HSL946 [CP]	CSISN.16F HSL864 [CP]	CSISN.15F HSL945 [CP]	CSISN.14F HSL944 [CP]	CSISN.13F HSL943 [CP]	



9-Spline Sprockets

 1/8" x 1/2" Flat [CP]	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
	22T	CSIXW.22F	HSL911
 3/32" x 1/2" Flat [CP]	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 (13-22T)	HMW538	3809.0406.011
Sprocket Spacer 3mm (13-22T)	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
3809.0405.118
HMW529 [Xylan]
3809.0407.015



13/32" x 1.8mm x 9.5mm
HMW515
3809.0405.120



13/32" x 2mm x 9.5mm
HMW526
3809.0405.119
HMW544 [Xylan]
3809.0410.005



3/8" x 4mm x 9.5mm
HMW521
3809.0405.121
HMW530 [Xylan]
3809.0407.002

Brake Cable Assembly



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



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



BSD01 [BF]

[Ø1.6 Galvanized Cable+ 2P Casing]

HSK740 / BSD01.0900.BA0 / 900mm



BSD1X

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

HSK765 / BSD1X.0900.BA0 / 900mm

HSK766 / BSD1X.0950.BA0 / 950mm

HSK767 / BSD1X.1000.BA0 / 1000mm

HSK768 / BSD1X.1600.BA0 / 1600mm



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]



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



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



17.9mm (45/64")
HSJ548
3899.0000.101



19.1mm (3/4")
HSJ753
3899.0000.103



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



Fulcrum Sleeve
HSJ515
3810.0505.003

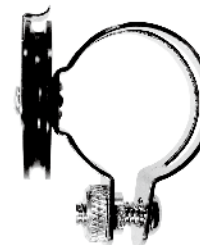


Pulleys

Top tube and Down tube



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



25.4mm (1")
HSJ520
3899.0000.104



TLSL1
 TLSL1.0000.OA0
 Sprocket & Lock Ring Removal Tool
 For HBT Rear Hub



TLSF1
 TLSF1.0000.OA1
 Single Freewheel Removal Tool



HTR147
 3810.0725.005
 Ratchet Ring Removal Tool



HTR140
 3810.0790.002
 14mm Cone Spanner



HTR141
 3810.0790.003
 16mm Cone Spanner



HTR142
 3810.0790.004
 23mm Cone Spanner



HTR145
 3810.0790.008
 Classic Ball Ring Spanner



HTR144
 3810.0790.006
 S2C Ball Ring Spanner



HTR146
 3810.0790.009
 S80(W) Ball Ring Spanner



HTR139
 3810.0790.007
 Dynohub Cap Spanner

Specifications | Brake Levers & Dynohubs

Brake Levers

Model Name	BLS80				BLM80	
Model Number	BLS80.LNN0.SA3	BLS80.RNN0.SA3	BLS80.LNNP.SA3	BLS80.RNNP.SA3	BLM80.LNN0.SA3	BLM80.RNN0.SA3
Side	Left Hand	Right Hand	Left Hand	Right Hand	Left Hand	Right Hand
Brake Compatibility	Drum / Roller / Cantilever		Drum / Roller / Cantilever		V-Brake	
Parking Brake Lock Pin	✕		●		✕	
Lever Length	4-Finger		4-Finger		4-Finger	
Lever Material	Aluminum		Aluminum		Aluminum	
Lever Comfort Pad	Replaceable Rubber Cartridge BLP80		Replaceable Rubber Cartridge BLP80		Replaceable Rubber Cartridge BLP80	
Bracket Material	Aluminum		Aluminum		Aluminum	
Cable Adjuster	Anodized Aluminum		Anodized Aluminum		Anodized Aluminum	
Reach Adjuster	Dacromet Chromoly		Dacromet Chromoly		Dacromet Chromoly	
Bracket Bolt	Dacromet Chromoly		Dacromet Chromoly		Dacromet Chromoly	
Clamp Bolt	Dacromet Chromoly		Dacromet Chromoly		Dacromet Chromoly	
Clamp Diameter	22.2mm		22.2mm		22.2mm	
Finish	(S) Painted Silver		(S) Painted Silver		(S) Painted Silver	
Average Weight	125g	125g	130g	130g	125g	125g

Dynohub

Model Name	HDS10		HDS20	
Model No. (Silver)	HDS13.FBSS.SA0	HDS12.FBSS.SA0	HDS23.KBSS.SA0	HDS22.KBSS.SA0
Model No. (Black)	HDS13.FBSS.BA0	HDS12.FBSS.BA0	HDS23.KBSS.BA0	HDS22.KBSS.BA0
Voltage	6V	6V	6V	6V
Output	3.0W	2.4W	3.0W	2.4W
Brake Type	✕		Disc Brake	
Hub Shell Material	A356 Aluminum		6061 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	(B) 36H	(B) 36H	(B) 36H	(B) 36H
Pitch Circle Diameter	66.0mm	66.0mm	66.0mm	66.0mm
Flange Width	62.0mm	62.0mm	55.0mm	55.0mm
Center to Flange	Right	31.0mm	31.0mm	31.4mm
	Left	31.0mm	31.0mm	23.6mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Painted	Painted	Anodized	Anodized
Weight	830g	825g	840g	835g

Specifications | Dynohub Drum Brakes

Dynohub Drum Brakes

Model Name	XL-FDD		X-FDD	
Model No.	HDS93.TBSS.AA2	HDS92.TBSS.AA2	HDS73.TBSS.AA2	HDS72.TBSS.AA2
Model No. (High Polish)	HDS93.TBSS.HA2	HDS92.TBSS.HA2	HDS73.TBSS.HA2	HDS72.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	(B) 36H	(B) 36H	(B) 36H	(B) 36H
Pitch Circle Diameter	109.0mm	109.0mm	89.8mm	89.8mm
Flange Width	59.4mm	59.4mm	60mm	60mm
Center to Flange	Right	31.4mm	31.4mm	30.0mm
	Left	28.0mm	28.0mm	30.0mm
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

Model Name	XL-SDD		X-SDD	
Model No. (Right Side)	HDH93.RBSS.AA0	HDH92.RBSS.AA0	HDH73.RBSS.AA0	HDH72.RBSS.AA0
Voltage	6V	6V	6V	6V
Output	3.0W	2.4W	3.0W	2.4W
Brake Type	90mm Drum Brake		70mm Drum Brake	
Side	(R) Right	(R) Right	(R) Right	(R) Right
Hub Axle Diameter Type	12mm		12mm	
Hub Axle Length	124mm	124mm	124mm	124mm
Axle Protrusion Length	50mm	50mm	50mm	50mm
Hub Shell Material	A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge		Sealed Cartridge	
Spoke Holes	(B) 36H	(B) 36H	(B) 36H	(B) 36H
Pitch Circle Diameter	109.0mm	109.0mm	89.4mm	89.4mm
Flange Width	59.4mm	59.4mm	67.9mm	67.9mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	1,383g	1,383g	1,190g	1,190g

Specifications | Shifters 8-Speed

Shifters 8-Speed Trigger

Model No.	DLS80 R8 (S)	DLS80 R8 (A~U)
Sales No.	HSJ203	n/a
Type	Dual Lever Trigger	
Speeds	8-Speed (Wide Ratio)	
Cable Adjuster	●	
Clamp Fastening Screw	SUS302 Stainless Steel	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Stainless	
Cable Length	1,950mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	140g	n/a

Shifters 8-Speed Twist

Model No.	TSS86 R8 (S)	TSS86 R8 (A~U)
Sales No.	HSJ980	n/a
Type	Twist	
Speeds	8-Speed (Wide Ratio)	
Cable Adjuster	●	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SUS302 Stainless Steel	
Triangular Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Stainless	
Cable Length	1,900mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	89g	n/a

Shifters 8-Speed Thumb

Model No.	SLS80 T8 (S)	SLS80 T8 (A~U)	SLS80 H8 (S)	SLS80 H8 (A~U)
Sales No.	HSJ204	n/a	HSJ205	n/a
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp	
Speeds	8-Speed (Wide Ratio)			
Cable Adjuster	●		●	
Lever Position Adjust	●		●	
Lever Material	High Polished Aluminum			
Clamp Material	Aluminum		Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Slick-Stainless			
Cable Length	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	●
Pre-Assembled Cable Anchorage	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP	×	SP
Weight	97g	n/a	103g	n/a

Shifters 5-Speed Trigger

Model No.	DLC50 R5 (S)	DLC50 R5 (A~U)
Sales No.	HSJ206	n/a
Type	Dual Lever Trigger	
Speeds	5-Speed	
Cable Adjuster	●	
Clamp Fastening Screw	SCM435 Chromoly	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Galvanized	
Cable Length	1,950mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	140g	n/a

Shifters 5-Speed Twist

Model No.	TSC50 R5 (S)	TSC50 R5 (A~U)
Sales No.	HSJ999	n/a
Type	Twist	
Speeds	5-Speed	
Cable Adjuster	●	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Window Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	1,900mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP
Weight	115g	n/a

Shifters 5-Speed Thumb

Model No.	SLC50 T5 (S)	SLC50 T5 (A~U)	SLC50 H5 (S)	SLC50 H5 (A~U)
Sales No.	HSJ201	n/a	HSJ202	n/a
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp	
Speeds	5-Speed			
Cable Adjuster	●		●	
Lever Position Adjust	●		●	
Lever Material	High Polished Aluminum			
Clamp Material	Aluminum		Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Slick-Galvanized			
Cable Length	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	●
Pre-Assembled Cable Anchorage	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	SP	×	SP
Weight	97g	n/a	103g	n/a

Shifters 4-Speed Trigger

Model No.	DLS40 R4 (S)	DLS40 R4 (A~U)
Sales No.	HSJ207	n/a
Type	Dual Lever Trigger	
Speeds	4-Speed	
Cable Adjuster	●	
Clamp Fastening Screw	SCM435 Chromoly	
Large Lever	Aluminum	
Small Lever	Engineering Polymers	
Cable Type	Slick-Galvanized	
Cable Length	1,950mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	140g	n/a

Shifters 4-Speed Twist

Model No.	TSS42 R4 (S)	TSS42 R4 (A~U)
Sales No.	HSJ200	n/a
Type	Twist	
Speeds	4-Speed	
Cable Adjuster	●	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Window Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	1,900mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	115g	n/a

Shifters 4-Speed Thumb

Model No.	SLS40 T4 (S)	SLS40 T4 (A~U)	SLS40 H4 (S)	SLS40 H4 (A~U)
Sales No.	HSJ208	n/a	HSJ209	n/a
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp	
Speeds	4-Speed			
Cable Adjuster	●		●	
Lever Position Adjust	●		●	
Lever Material	High Polished Aluminum			
Clamp Material	Aluminum		Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Slick-Galvanized			
Cable Length	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	●
Pre-Assembled Cable Anchorage	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP	×	2SP
Weight	97g	n/a	103g	n/a

Specifications | Shifters C30 Rotary 3-Speed

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 Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	156g	n/a

Shifters C30 Rotary 3-Speed Twist

Model No.	TSC30 R3 (S)	TSC30 R3 (A~U)
Sales No.	HSJ976	n/a
Type	Twist	
Speeds	3-Speed (C30 Rotary Only)	
Cable Adjuster	×	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	1,900mm	×
OEM Pre-Assembled	×	●
Pre-Assembled Cable Adjuster	×	●
Pre-Assembled Cable Anchorage	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP
Weight	80g	n/a

Shifters C30 Rotary 3-Speed Thumb

Model No.	SLC30 T3 (S)	SLC30 T3 (A~U)	SLC30 H3 (S)	SLC30 H3 (A~U)
Sales No.	HSJ210	n/a	HSJ211	n/a
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp	
Speeds	3-Speed (C30 Rotary Only)			
Cable Adjuster	●		●	
Lever Position Adjust	●		●	
Lever Material	High Polished Aluminum			
Clamp Material	Aluminum		Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly	
Cable Type	Slick-Galvanized			
Cable Length	1,950mm	×	1,950mm	×
OEM Pre-Assembled	×	●	×	●
Pre-Assembled Cable Adjuster	×	●	×	●
Pre-Assembled Cable Anchorage	×	●	×	●
Pre-Assembled Casing Length	×	1,200~2,000mm	×	1,200~2,000mm
Pre-Assembly Casing Type	×	2SP	×	2SP
Weight	97g	n/a	103g	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

Specifications | Shifters 3-Speed

Shifters 3-Speed Thumb

Model No.	SLS30 T3 (S)	SLS30 T3 (A~U)	SLS30 H3 (S)	SLS30 H3 (A~U)	SLS30 P3 (S)	SLS30 B3 (S)	SLS30 S3 (S)
Sales No.	HSJ962	n/a	HSJ995	n/a	HSJ993	HSJ963	HSJ981
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp		(P) Seat Pose 27.2mm Clamp	(B) Bar End	(S) Brazed on 28.6mm
Speeds	3-Speed						
Cable Adjuster	✕		✕		✕	✕	✕
Lever Position Adjust	●		●		●	✕	✕
Lever Material	High Polished Aluminum						
Clamp Material	Aluminum		Aluminum		Aluminum	✕	✕
Body Material	✕		✕		✕	●	✕
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly		SCM435 Chromoly	✕	✕
Cable Type	Slick-Galvanized						
Cable Length	1,950mm	✕	1,950mm	✕	1,450mm	2,400mm	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	87g	n/a	93g	n/a	100g	105g	51g

Shifters 3-Speed Thumb

Model No.	SLS3C R3 (N)	SLS3C R3 (A~U)	SLS3N R3 (N)	SLS3N R3 (A~U)
Sales No.	HSJ762	n/a	HSJ823	n/a
Type	Classic Trigger		Thumb	
Speeds	3-Speed		3-Speed	
Cable Adjuster	×		×	
Lever Position Adjust	×		●	
Lever Material	Composite Covered Steel		Engineering Polymers	
Clamp Material	Steel		Steel	
Clamp Fastening Screw	Chromoly		Chromoly	
Cable Type	Slick-Galvanized		Slick-Galvanized	
Cable Length	Sold Separately	×	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	×	2SP	×	2SP
Weight	68g	n/a	54g	n/a

Specifications | Shifters 3-Speed

Shifters 3-Speed Chopper Lever

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

Shifters S3X Fixed 3-Speed

Model No.	SLS3X T3 (S)	SLS3X T3 (A~U)	SLS3X H3 (S)	SLS3X H3 (A~U)	SLS3X P3 (S)	SLS3X B3 (S)	SLS3X S3 (S)
Sales No.	HSJ965	n/a	HSJ990	n/a	HSJ991	HSJ966	HSJ988
Type	(T) Thumb 22.2mm Clamp		(H) Thumb 31.8mm Clamp		(P) Seat Post 27.2mm Clamp	(B) Bar End	(S) Brazed on 28.6mm
Speeds	3-Speed (S3X Fixed Only)						
Cable Adjuster	×		×		×	×	×
Lever Position Adjust	●		●		●	×	×
Lever Material	High Polished Aluminum						
Clamp Material	Aluminum		Aluminum		Aluminum	×	×
Body Material	×		×		×	Aluminum	×
Clamp Fastening Screw	SCM435 Chromoly		SCM435 Chromoly		SCM435 Chromoly	×	×
Cable Type	Slick-Stainless						
Cable Length	1,950mm	×	1,950mm	×	1,450mm	2,400mm	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	87g	n/a	93g	n/a	100g	105g	51g

Shifters 7 & 4 & 3-Speed Twist

Model No.	TSS74 RX (S)	TSSN3 R3 (S)
Type	Twist	
Speeds	7 / 4-Speed (Shimano Type)	3-Speed (Shimano Type)
Cable Adjuster	●	×
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Triangular Cover Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	2,250mm	1,950mm
Weight	80g	62g

Shifters 3-Speed Thumb

Model No.	SLS3H T3 (S)	SLS3H H3 (S)
Type	(T) Thumb 22.2mm Clamp	(H) Thumb 31.8mm Clamp
Speeds	3-Speed (Shimano Type)	
Cable Adjuster	×	
Lever Position Adjust	●	
Lever Material	High Polished Aluminum	
Clamp Material	Aluminum	
Clamp Fastening Screw	SCM435 Chromoly	
Cable Type	Slick-Galvanized	
Cable Length	1,950mm	1,950mm
Weight	87g	93g

Specifications | 8 Speed Hubs

IGH S80 (W)				
Model Name		X-RD8 (W)	X-RK8 (W)	X-RF8 (W)
Model No. (36H)		IHW8T.XBSS.HA1	IHW8K.XBLS.HA1	IHW8F.XBLS.HA1
Model No. (32H)		IHW8T.XCSS.HA1	IHW8K.XCLS.HA1	IHW8F.XCLS.HA1
Model No. (28H)		×	IHW8K.XDLS.HA1	×
Speed		8-Speed		
Type		70mm Drum Brake	Disc Brake	Freewheel
Hub Shell Material		A356 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	325%		
	1	100%	Direct Drive	
	2	130%	(+) 30%	[Gear 1 (+) 30%]
	3	148%	(+) 14%	[Gear 2 (+) 14%]
	4	169%	(+) 14%	[Gear 3 (+) 14%]
	5	192%	(+) 14%	[Gear 4 (+) 14%]
	6	220%	(+) 14%	[Gear 5 (+) 14%]
	7	250%	(+) 14%	[Gear 6 (+) 14%]
	8	325%	(+) 30%	[Gear 7 (+) 30%]
Axle Diameter		13/32" Slotted		
Axle Length		185mm	185mm	185mm
Over Locknut Dimension		132mm	134mm	135mm
R: Axle Protrusion Length		27mm	25mm	27mm
L: Axle Protrosion Length		26mm	26mm	23mm
Spoke Holes		(B) 36H / (C) 32H	(B) 36H / (C) 32H / (D) 28H	(B) 36H / (C) 32H / (D) 28H
Pitch Circle Diameter		89.4mm	89.4mm	89.4mm
Center to Flange	Right	32.3mm	31.2mm	33.3mm
	Left	45.7mm	27.3mm	25.2mm
Flange Width		78.0mm	58.5mm	58.5mm
Spoke Compatibility		13G & 14G		
Sprocket Teeth		20T / 23T / 25T		
Chain Line : 1/8" Dished		42.2mm	41.0mm	43.1mm
Chain Line : 3/32" Flat		46.0mm	44.9mm	46.9mm
Chain Line : 3/32" Dished		42.4mm	45.1mm	43.4mm
Finish		High Polish Alloy	High Polish Alloy	High Polish Anodized
Weight		2,170g	1,880g	1,790g

Specifications | 5 Speed Hubs

IGH C50							
Model Name		RXL-RD5	RX-RD5	RX-RK5	RX-RF5		RX-RC5
Model No. (36H)		IHC5T.YBSS.AA0	IHC5T.XBSS.AA0	IHC5K.XBSS.AA0	IHC5K.XBSS.AA0	IHC5K.XBCS.AA0	IHC5C.XBSS.AA0
Model No. (32H)		×	×	IHC5K.XCSS.AA0	IHC5K.XCSS.AA0	IHC5K.XCCS.AA0	IHC5C.XCSS.AA0
Model No. (28H)		×	×	×	×	×	×
Model No. (High Polish)		IHC5T.YBSS.HA0	IHC5T.XBSS.HA0	×	×	×	×
Speed		5-Speed					
Type		90mm Drum Brake	70mm Drum Brake	Disc Brake	Freewheel		Coaster Brake
Hub Shell Material		A356 Aluminum	A356 Aluminum	6061 Aluminum	6061 Aluminum		6061 Aluminum
Gear Ratio	Overall Range	242%					
	1	64% (-) 36%					
	2	80% (-) 20% [Gear 1 (+) 25%]					
	3	100% Direct Drive [Gear 2 (+) 25%]					
	4	125% (+) 25% [Gear 3 (+) 25%]					
	5	156% (+) 56% [Gear 4 (+) 25%]					
Axle Diameter		13/32" Slotted					
Axle Length		185mm	185mm	185mm	185mm	178mm	185mm
Over Locknut Dimension		135mm	135mm	135mm	135mm	128mm	135mm
R: Axle Protrusion Length		26mm	26mm	26mm	25mm	25mm	26mm
L: Axle Protrusion Length		24mm	24mm	24mm	25mm	25mm	24mm
Spoke Holes		(B) 36H	(B) 36H	(B) 36H / (C) 32H	(B) 36H / (C) 32H		(B) 36H / (C) 32H
Pitch Circle Diameter		109mm	95.5mm	95.5mm	95.5mm	95.5mm	95.5mm
Flange Width		80.5mm	80.5mm	57.5mm	57.5mm	57.5mm	57.5mm
Center to Flange	Right	30.4mm	30.4mm	30.5mm	29.7mm	26.8mm	30.5mm
	Left	50.1mm	50.1mm	27.0mm	27.8mm	30.7mm	27.0mm
Spoke Compatibility		13G & 14G					
Sprocket Teeth		16T ~ 22T					
Chain Line: 1/8" Flat		43.9mm	43.9mm	44.0mm	43.2mm	40.3mm	44.0mm
Finish		Natural Alloy	Natural Alloy	Anodized Alloy	Anodized Alloy		Anodized Alloy
Weight		2,480g	2,290g	2,000g	1,980g	1,950g	2,400g

Specifications | 4 Speed Hubs

IGH S40				
Model Name	X-RD4	X-RK4	X-RF4	X-RC4
Model No. (36H)	IHS4T.XBSS.AA0	IHS4K.XBLS.AA0	IHS4F.XBSS.AA0	IHS4C.XBSS.AA0
Model No. (32H)	×	IHS4K.XCLS.AA0	IHS4F.XCSS.AA0	IHS4C.XCSS.AA0
Model No. (28H)	×	IHS4K.XDLS.AA0	IHS4F.XDSS.AA0	IHS4C.XDSS.AA0
Speed	4-Speed			
Type	70mm Drum Brake	Disc Brake	Freewheel	Coaster Brake
Hub Shell Material	A356 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	210%		
	1	100%	Direct Drive	
	2	128%	(+) 28%	[Gear 1 (+) 28%]
	3	164%	(+) 28%	[Gear 2 (+) 28%]
	4	210%	(+) 28%	[Gear 3 (+) 28%]
Axle Diameter	M10 Slotted			
Axle Length	172mm	180mm	172mm	172mm
Over Locknut Dimension	120mm	135mm	120mm	127mm
R: Axle Protrusion Length	25mm	23mm	25mm	22mm
L: Axle Protrusion Length	27mm	22mm	27mm	23mm
Spoke Holes	(B) 36H	(B) 36H / (C) 32H / (D) 28H	(B) 36H / (C) 32H / (D) 28H	(B) 36H / (C) 32H / (D) 28H
Pitch Circle Diameter	89.8mm	81.0mm	81.0mm	81.0mm
Flange Width	66.4mm	63.4mm	63.4mm	63.4mm
Center to Flange	Right	26.6mm	27.9mm	26.8mm
	Left	39.8mm	35.5mm	36.6mm
Spoke Compatibility	13G & 14G			
Sprocket Teeth	13T ~ 22T			
Chain Line: 1/8" Flat	40.6mm	42.0mm	40.8mm	41.2mm
Chain Line: 1/8" Dished	39mm , 42.4mm	39.6mm , 43mm	39.2mm , 42.6mm	39.6mm , 43mm
Chain Line: 3/32" Flat	40.2mm , 41mm	40.8mm , 41.6mm	40.4mm , 41.2mm	40.8mm , 41.6mm
Chain Line: 3/32" Dished	38.5mm , 42.5mm	39.1mm , 43.1mm	38.7mm , 42.7mm	39.1mm , 43.1mm
Finish	Natural Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight	1,480g	1,270g	1,160g	1,630g

Specifications | Rotary 3 Speed Hubs

IGH C30				
Model Name	RX-RD3	RS-RK3	RS-RB3	RS-RF3
Model No. (36H)	IHC3T.XBSS.AA0	IHC3K.QBSS.AA0	IHC3B.QBSS.AA0	IHC3F.QBSS.AA0
Model No. (32H)	×	IHC3K.QCSS.AA0	IHC3B.QCSS.AA0	IHC3F.QCSS.AA0
Model No. (28H)	×	IHC3K.QDSS.AA0	IHC3B.QDSS.AA0	IHC3F.QDSS.AA0
Speed	3-Speed			
Type	70mm Drum Brake	Disc Brake	Band Brake	Freewheel
Hub Shell Material	A356 Aluminum	6061 Aluminum	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	3/8" Slotted			
Axle Length	185mm	185mm	185mm	185mm
Over Locknut Dimension	135mm	135mm	135mm	129mm
R:Axle Protusion Length	27mm	26mm	27mm	27mm
L:Axle Protusion Length	23mm	24mm	23mm	29mm
Spocke Holes	(B) 36H	(B) 36H / (C) 32H / (D) 28H	(B) 36H / (C) 32H / (D) 28H	(B) 36H / (C) 32H / (D) 28H
Pitch Circle Diameter	89.8mm	67.0mm	67.0mm	67.0mm
Flange Width	65.9mm	56.6mm	56.6mm	56.6mm
Center to Flange	Right	20.4mm	20.8mm	22.8mm
	Left	45.5mm	35.8mm	33.8mm
Spocke Compatibility	13G & 14G			
Sprocket Teeth	17T ~ 19T			
Chain Line: 3mm Deep Dished	45.6mm	43.2mm	45.2mm	41.7mm
Finish	Natural Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight	1,440g	1,095g	1,045g	990g

Specifications | 3 Speed Hubs

IGH S30					
Model Name		XL-RD3	X-RD3	S-RK3	S-RK3 (N)
Model No. (36H)		IHS3T.YBSS.AA0	IHS3T.XBSS.AA1	IHS3K.QBLS.AA0	IHN3K.QBLS.AA0
Model No. (32H)		×	×	IHS3K.QCLS.AA0	IHN3K.QCLS.AA0
Model No. (28H)		×	×	×	×
Model No. (High Polish)		IHS3T.YBSS.HA0	IHS3T.XBSS.HA1	×	×
Speed		3-Speed			
Type		90mm Drum Brake	70mm Drum Brake	Disc Brake Type	
Hub Shell Material		A356 Aluminum	A356 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		177mm	163mm	185mm	
Over Locknut Dimension		130mm	117mm	135mm	
R: Axle Protrusion Length		26mm	23mm	23mm	
L: Axle Protrusion Length		21mm	23mm	27mm	
Spoke Holes		(B) 36H	(B) 36H	(B) 36H / (C) 32H	
Pitch Circle Diameter		109.0mm	89.8mm	67.0mm	
Flange Width		75.7mm	65.9mm	56.6mm	
Center to Flange	Right	31.9mm	26.9mm	28.0mm	
	Left	43.8mm	39.0mm	28.6mm	
Spoke Compatibility		13G &14G	13G & 14G	13G &14G	
Sprocket Teeth		13T~ 22T	13T ~ 22T	13T ~ 22T	12T ~ 22T
Chain Line: 1/8" Flat		50.9mm	44.7mm	43.9mm	43.9mm / 46.9mm
Chain Line: 1/8" Dished		49.3mm / 52.7mm	43.1mm / 46.5mm	42.3mm / 45.7mm	×
Chain Line: 3/32" Flat		50.6mm / 51.2mm	44.3mm / 45.1mm	43.5mm / 44.3mm	44.3mm / 47.3mm
Chain Line: 3/32" Dished		48.8mm / 53.0mm	42.6mm / 46.6mm	41.8mm / 45.8mm	×
Indicator Type		MK4	MK3	MK9	
Finish		Natural Alloy	Natural Alloy	Anodized Alloy	
Weight		1,720g	1,400g	1,085g	1,080g

Specifications | 3 Speed Hubs

IGH S30							
Model Name		S-RC3 (II)		S-RF3			S-RF3(N)
Model No. (36H)		IHS3C.QBLS.AA3	IHS3C.QBSS.AA3	IHS3F.QBLS.AA3	IHS3F.QBSA.AA3	IHS3F.QBSS.AA3	×
Model No. (32H)		IHS3C.QCLS.AA3	IHS3C.QCSS.AA3	IHS3F.QCLS.AA3	IHS3F.QCSA.AA3	IHS3F.QCSS.AA3	×
Model No. (28H)		×	IHS3C.QDSS.AA3	×	×	×	IHS3F.QDCS.AA3
Model No. (High Polish)		×	×	×	×	×	×
Speed		3-Speed					
Type		Coaster Brake		Freewheel			
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		175mm	163mm	175mm	163mm	163mm	148mm
Over Locknut Dimension		116mm	116mm	127mm	119mm	117mm	108mm
R: Axle Protrusion Length		30mm	26mm	24mm	22mm	22mm	20mm
L: Axle Protrusion Length		29mm	21mm	24mm	22mm	24mm	20mm
Spoke Holes		(B) 36H / (C) 32H / (D) 28H		(B) 36H / (C) 32H	(B) 36H / (C) 32H	(B) 36H / (C) 32H	(D) 28H
Pitch Circle Diameter		67.0mm	67.0mm	67.0mm	67.0mm	67.0mm	67.0mm
Flange Width		56.6mm	56.6mm	56.6mm	56.6mm	56.6mm	56.6mm
Center to Flange	Right	26.3mm	26.3mm	28.6mm	28.6mm	28.6mm	28.0mm
	Left	30.3mm	30.3mm	28.0mm	28.0mm	28.0mm	28.6mm
Spoke Compatibility		13G & 14G		13G & 14G			13G & 14G
Sprocket Teeth		13T ~ 22T		13T ~ 22T			12T ~ 22T
Chain Line: 1/8" Flat		45.6mm	43.9mm	43.1mm	44.1mm	43.1mm	40.0mm
Chain Line: 1/8" Dished		44.0mm / 47.4mm	42.3mm / 45.7mm	41.5mm / 44.9mm	42.5mm / 45.9mm	41.5mm / 44.9mm	38.4mm / 41.8mm
Chain Line: 3/32" Flat		45.2mm / 46.0mm	43.5mm / 44.3mm	42.7mm / 43.5mm	43.7mm / 44.5mm	42.7mm / 43.5mm	39.6mm / 40.4mm
Chain Line: 3/32" Dished		43.5mm / 47.5mm	41.8mm / 45.8mm	41.0mm / 45.0mm	42.0mm / 46.0mm	41.0mm / 45.0mm	37.9mm / 41.9mm
Indicator Type		MK5	MK4	MK5	MK3	MK3	MK2
Finish		Anodized Alloy		Anodized Alloy			Anodized Alloy
Weight		1,300g	1,290g	1,015g	995g	995g	975g

Specifications | 3 Speed Hubs

IGH S3S						
Model Name		SAB3	AWC (II)		AW	
Model No. (36H)		IHS3T.SBSS.SA3	IHS3C.WBLS.SA3	IHS3C.WBSS.SA3	IHS3F.WBLS.SA3	IHS3F.WBSS.SA3
Model No. (32H)		✕	✕	✕	✕	✕
Model No. (28H)		✕	✕	✕	✕	✕
Speed		3-Speed				
Type		70mm Drum Brake	Coaster Brake		Freewheel	
Hub Shell Material		Steel	Steel		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		163mm	175mm	163mm	175mm	163mm
Over Locknut Dimension		118mm	116mm	116mm	127mm	117mm
R: Axle Protrusion Length		24mm	30mm	26mm	24mm	22mm
L: Axle Protrusion Length		21mm	29mm	21mm	24mm	24mm
Spoke Holes		(B) 36H	(B) 36H		(B) 36H	
Pitch Circle Diameter		65mm 82.7mm	65.0mm	65.0mm	65.0mm	65.0mm
Flange Width		66.0mm	56.6mm	56.6mm	56.6mm	56.6mm
Center to Flange	Right	27.3mm	26.3mm	26.3mm	28.6mm	28.6mm
	Left	38.7mm	30.3mm	30.3mm	28.0mm	28.0mm
Spoke Compatibility		13G & 14G	14G		14G	
Sprocket Teeth		13T ~ 22T	13T ~ 22T		13T ~ 22T	
Chain Line: 1/8" Flat		45.4mm	45.6mm	43.9mm	43.1mm	43.1mm
Chain Line: 1/8" Dished		43.8mm / 47.2mm	44.0mm / 47.4mm	42.3mm / 45.7mm	41.5mm / 44.9mm	41.5mm / 44.9mm
Chain Line: 3/32" Flat		45.0mm / 45.8mm	45.2mm / 46.0mm	43.5mm / 44.3mm	42.7mm / 43.5mm	42.7mm / 43.5mm
Chain Line: 3/32" Dished		43.3mm / 47.3mm	43.5mm / 47.5mm	41.8mm / 45.8mm	41.0mm / 45.0mm	41.0mm / 45.0mm
Indicator Type		MK3	MK5	MK4	MK5	MK3
Finish		Painted Silver	Painted Silver		Painted Silver	
Weight		1,410g	1,360g	1,350g	1,115g	1,095g

IGH SX			
Model Name		SX-RK3	SX-RB3
Model No. (36H)		IHS3K.PBSS.AA1	IHS3B.PBSS.AAA
Model No. (32H)		×	×
Model No. (28H)		×	×
Speed		3-Speed	
Type		Disc 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
Center to Flange	Right	52.1mm	47.2mm
	Left	43.5mm	46.3mm
Flange Width		95.6mm	93.5mm
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		69.2mm / 72.6mm	65.9mm / 69.3mm
Chain Line: 3/32" Flat		70.6mm / 71.2mm	67.3mm / 67.9mm
Chain Line: 3/32" Dished		68.8mm / 73.0mm	65.5mm / 69.7mm
Indicators		MK3	MK3
Weight		1,400g	1,240g

IGH TS & QS			
Model Name	QS-RC5	TS-RC5	TS-RF5
Model No.	IHQ5C.QBLS.AA3	IHT5C.QBSS.AA0	IHT5F.QBSC.AA1
Speed	5-Speed + Reverse	5-Speed	5-Speed
Type	Coaster Brake	Coaster Brake	Freewheel
Hub Shell Material	6061 Aluminum	6061 Aluminum	6061 Aluminum
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	13/32" Slotted	13/32" Slotted
Axle Length	185mm	175mm	175mm
Over Locknut Dimension	139mm	127mm	116mm
R: Axle Protrusion Length	24mm	24mm	24mm
L: Axle Protrusion Length	22mm	24mm	35mm
Flange Sprocket Teeth	22T	22T	22T
Flange Sprocket C.L.	39.4mm	33.9mm	27.6mm
Sprocket Teeth	21~22T	21~22T	21~22T
Sprocket Chain Line	53.9mm	51.5mm	44.2mm
Indicators	Yellow / Navy Blue*	Yellow / Navy Blue*	Yellow / Navy Blue*
Finish	Anodized Alloy	Anodized Alloy	Anodized Alloy
Weight	2,010g	1,580g	1,320g

*Navy Blue Indicator must be used when using HMN420 Short Guide Nut.

Specifications | Quadricycle / Tricycle Hubs

Model Name	QS-RC3	TS-RC3	TS-RB3	TS-RF3	T-S2C
Model No.	IHQ3C.QBLS.AA3	IHT3C.QBSS.AA3	IHT3B.QBSS.AA3	IHT3F.QBSS.AA3	IHT2C.SBSS.AA1
Speed	3-Speed + Reverse	3-Speed	3-Speed	3-Speed	2-Speed
Type	Coaster Brake	Coaster Brake	Band Brake	Freewheel	Coaster Brake
Hub Shell Material	6061 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	177%			138%
	1	75%	(-) 25%		100% Direct Drive
	2	100%	Direct Drive	[Gear 1 (+) 33%]	138% (+) 38%
	3	133%	(+) 33.3%	[Gear 2 (+) 33%]	×
Axle Diameter	13/32" Slotted				13/32" Slotted
Axle Length	175mm	163mm	163mm	163mm	162mm
Over Locknut Dimension	126mm	116mm	113mm	117mm	116mm
R: Axle Protrusion Length	30mm	26mm	23mm	22mm	23mm
L: Axle Protrusion Length	19mm	21mm	27mm	24mm	23mm
Flange Sprocket Teeth	22T	22T	22T	22T	22T
Flange Sprocket C.L.	33.4mm	27.8mm	32.8mm	30.1mm	27.8mm
Sprocket Teeth	21~22T	21~22T	21~22T	21~22T	21~22T
Sprocket Chain Line	47.2mm	45.7mm	46.0mm	44.9mm	45.7mm
Indicators	MK5	MK4	MK3	MK3	×
Finish	Anodized Alloy	Anodized Alloy	Anodized Alloy	Anodized Alloy	Hi-Polished Anodized
Weight	1,800g	1,360g	1,010g	1,100g	1,465g

IGH S3X			
Model Name		S3X	
Model No. (Alloy Silver 36H)		IHS3X.QBSS.AA0	IHS3X.QBLS.AA0
Model No. (Alloy Silver 32H)		IHS3X.QCSS.AA0	IHS3X.QCLS.AA0
Model No. (Black 36H)		IHS3X.QBSS.BA0	IHS3X.QBLS.BA0
Model No. (Black 32H)		IHS3X.QCSS.BA0	IHS3X.QCLS.BA0
Model No. (Gold 36H)		IHS3X.QBSS.GA0	IHS3X.QBLS.GA0
Model No. (Gold 32H)		IHS3X.QCSS.GA0	IHS3X.QCLS.GA0
Model No. (Red 36H)		IHS3X.QBSS.RA0	IHS3X.QBLS.RA0
Model No. (Red 32H)		IHS3X.QCSS.RA0	IHS3X.QCLS.RA0
Model No. (Blue 36H)		IHS3X.QBSS.2A0	IHS3X.QBLS.2A0
Model No. (Blue 32H)		IHS3X.QCSS.2A0	IHS3X.QCLS.2A0
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 Protrosion Length		23mm	23mm
Spoke Holes		(B) 36H / (C) 32H	
Pitch Circle Diameter		67.0mm	67.0mm
Flange Width		56.6mm	56.6mm
Center to Flange	Right	24.7mm	24.0mm
	Left	31.9mm	32.6mm
Spoke Compatibility		14G	14G
Sprocket Teeth 1/8"		13~22T	13~22T
Sprocket Teeth 3/32"		12~22T	12~22T
Chain Line		42 , 43 , 44 , 45mm	42 , 43 , 44 , 45mm
Indicator		Orange	White
Finish		High Polish Anodized	
Weight		980g	990g

Specifications | Cassette Freehub 3 Speed

IGH F30							
Model Name		CS-RK3			CS-RF3		
Model No. (Alloy Silver)		IHF3K.QBSS.AA0	IHF3K.QCSS.AA0	IHF3K.QDSS.AA0	IHF3F.QBSS.AA0	IHF3F.QCSS.AA0	IHF3F.QDSS.AA0
Model No. (Black)		IHF3K.QBSS.BA0	IHF3K.QCSS.BA0	IHF3K.QDSS.BA0	IHF3F.QBSS.BA0	IHF3F.QCSS.BA0	IHF3F.QDSS.BA0
Speed		3 x 9/8-Speed			3 x 9/8-Speed		
Type		Disc Brake Type			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		179mm			179mm		
Over Locknut Dimension		135mm			135mm		
R: Axle Protrusion Length		22mm			22mm		
L: Axle Protrusion Length		22mm			22mm		
Spoke Holes		(B) 36H	(C) 32H	(D) 28H	(B) 36H	(C) 32H	(D) 28H
Pitch Circle Diameter		67.0mm			67.0mm		
Flange Width		56.6mm			56.6mm		
Center to Flange	Right	21.4mm			21.4mm		
	Left	35.4mm			35.4mm		
Spoke Compatibility		13G &14G			13G &14G		
Cassette Sprocket Type		9/8-Speed			9/8-Speed		
Max. Sprocket		34T			34T		
Min. Sprocket		11T			11T		
Chain Line:		45mm			45mm		
Indicators		MK8			MK8		
Finish		Anodized Alloy			Anodized Alloy		
Weight		1,155g			1,090g		

Specifications | 2 Speed Kick Shift Hubs

IGH S20 / S2S					
Model Name		S2K	S2		S2C
Model No. (Alloy Silver 36H)		IHK2K.QBSS.AA0	IHK2F.QBSS.AA0	IHK2F.QBCS.AA0	IHK2C.QBLS.AA2
Model No. (Alloy Silver 32H)		IHK2K.QCSS.AA0	IHK2F.QCSS.AA0	IHK2F.QCCS.AA0	IHK2C.QCLS.AA2
Model No. (Black 36H)		IHK2K.QBSS.BA0	IHK2F.QBSS.BA0	IHK2F.QBCS.BA0	IHK2C.QBLS.BA2
Model No. (Black 32H)		IHK2K.QCSS.BA0	IHK2F.QCSS.BA0	IHK2F.QCCS.BA0	IHK2C.QCLS.BA2
Model No. (Gold 36H)		IHK2K.QBSS.GA0	IHK2F.QBSS.GA0	IHK2F.QBCS.GA0	IHK2C.QBLS.GA2
Model No. (Gold 32H)		IHK2K.QCSS.GA0	IHK2F.QCSS.GA0	IHK2F.QCCS.GA0	IHK2C.QCLS.GA2
Model No. (Red 36H)		IHK2K.QBSS.RA0	IHK2F.QBSS.RA0	IHK2F.QBCS.RA0	IHK2C.QBLS.RA2
Model No. (Red 32H)		IHK2K.QCSS.RA0	IHK2F.QCSS.RA0	IHK2F.QCCS.RA0	IHK2C.QCLS.RA2
Model No. (Blue 36H)		IHK2K.QBSS.2A0	IHK2F.QBSS.2A0	IHK2F.QBCS.2A0	IHK2C.QBLS.2A2
Model No. (Blue 32H)		IHK2K.QCSS.2A0	IHK2F.QCSS.2A0	IHK2F.QCCS.2A0	IHK2C.QCLS.2A2
Speed		2-Speed			
Type		Disc Brake	Freewheel		Coaster Brake
Hub Shell Material		6061 Aluminum	6061 Aluminum		6061 Aluminum
Gear Ratio	Overall Range	138%			
	1	100% Direct Drive			
	2	138% (+)38% [Gear 1 (+) 38%]			
Axle Diameter		13/32" Slotted			
Axle Length		183mm	160mm	148mm	180mm
Over Locknut Dimension		135mm	120mm	110mm	135mm
R: Axle Protrusion Length		26mm	20mm	19mm	21mm
L: Axle Protrusion Length		22mm	20mm	19mm	24mm
Spoke Holes		(B) 36H / (C) 32H			
Pitch Circle Diameter		67.0mm	67.0mm	67.0mm	67.0mm
Flange Width		68.3mm	56.6mm	56.6mm	68.3mm
Center to Flange	Right	35.7mm	28.3mm	26.5mm	27.7mm
	Left	32.6mm	28.3mm	30.1mm	40.6mm
Spoke Compatibility		13G & 14G	13G & 14G		13G & 14G
Sprocket Teeth		13T ~ 24T	13T ~ 24T		13 ~ 24T
Chain Line: 1/8" Flat		51.8mm	42.7mm	41.1mm	44.3mm
Chain Line: 1/8" Dished		50.0mm / 53.6mm	40.9mm / 44.5mm	39.3mm / 42.9mm	42.5mm / 46.1mm
Chain Line: 3/32" Flat		51.4mm / 52.2mm	42.3mm / 43.1mm	40.7mm / 41.5mm	43.9mm / 44.7mm
Chain Line: 3/32" Dished		49.7mm / 53.9mm	40.6mm / 44.8mm	39.0mm / 43.2mm	42.4mm / 46.2mm
Finish		Hi-Polished Anodized	Hi-Polished Anodized		Hi-Polish Anodized
Weight		1,060g	930g	920g	1,490g

		1,395g			
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Specifications | Single Speed Coaster Brake

S1C		
Model Name	S1C	
Model No. (Alloy Silver 36H)	CBS1C.QBSS.AA0	CBS1C.QBSL.AA0
Model No. (Alloy Silver 32H)	CBS1C.QCSS.AA0	CBS1C.QCSL.AA0
Model No. (Black 36H)	CBS1C.QBSS.BA0	CBS1C.QBSL.BA0
Model No. (Black 32H)	CBS1C.QCSS.BA0	CBS1C.QCSL.BA0
Model No. (Gold 36H)	CBS1C.QBSS.GA0	CBS1C.QBSL.GA0
Model No. (Gold 32H)	CBS1C.QCSS.GA0	CBS1C.QCSL.GA0
Model No. (Red 36H)	CBS1C.QBSS.RA0	CBS1C.QBSL.RA0
Model No. (Red 32H)	CBS1C.QCSS.RA0	CBS1C.QCSL.RA0
Model No. (Blue 36H)	CBS1C.QBSS.2A0	CBS1C.QBSL.2A0
Model No. (Blue 32H)	CBS1C.QCSS.2A0	CBS1C.QCSL.2A0
Speed	1-Speed	
Type	Coaster Brake	
Hub Shell Material	6061 Aluminum	
Axle Diameter	M10	
Axle Length	156mm	156mm
Over Locknut Dimension	116mm	119mm
R: Axle Protrusion Length	21mm	18mm
L: Axle Protrusion Length	19mm	19mm
Spoke Holes	(B) 36H / (C) 32H	(B) 36H / (C) 32H
Pitch Circle Diameter	67.0mm	67.0mm
Flange Width	56.6mm	56.6mm
Center to Flange	Right	26.1mm
	Left	30.5mm
Spoke Compatibility	13G & 14G	13G & 14G
Sprocket Teeth	13~24T	
Chain Line: 1/8" Flat	43.8mm	42.2mm
Chain Line: 1/8" Dished	42.1mm / 45.5mm	40.5mm / 43.9mm
Chain Line: 3/32" Flat	43.3mm / 44.3mm	41.7mm / 42.7mm
Chain Line: 3/32" Dished	41.6mm / 46.0mm	40.0mm / 44.4mm
Finish	Hi-Polish Anodized	Hi-Polish Anodized
Weight	1,260g	1,265g

Specifications | HBT Hubs

HBT Hubs						
Model Name	HBT30 Front		HBT30 Rear			
Model No. (Alloy Silver)	HBT30.F0AB.AA0	HBT30.F0AC.AA0	HBT30.RRAB.AA0	HBT30.RRAC.AA0	HBT30.RSAB.AA0	HBT30.RSAC.AA0
Model No. (Black)	HBT30.F0AB.BA0	HBT30.F0AC.BA0	HBT30.RRAB.BA0	HBT30.RRAC.BA0	HBT30.RSAB.BA0	HBT30.RSAC.BA0
Model No. (Gold)	HBT30.F0AB.GA0	HBT30.F0AC.GA0	HBT30.RRAB.GA0	HBT30.RRAC.GA0	HBT30.RSAB.GA0	HBT30.RSAC.GA0
Model No. (Red)	HBT30.F0AB.RA0	HBT30.F0AC.RA0	HBT30.RRAB.RA0	HBT30.RRAC.RA0	HBT30.RSAB.RA0	HBT30.RSAC.RA0
Model No. (Blue)	HBT30.F0AB.2A0	HBT30.F0AC.2A0	HBT30.RRAB.2A0	HBT30.RRAC.2A0	HBT30.RSAB.2A0	HBT30.RSAC.2A0
Hub Shell Material	6061 Aluminum		6061 Aluminum		6061 Aluminum	
Bearing	Sealed Cartridge		Sealed Cartridge		Sealed Cartridge	
Axle Material	Chromoly		Chromoly		Chromoly	
Axle Diameter	9mm		10mm		10mm	
Axle Length	145mm		175mm		165mm	
Over Lock Dimension	100mm		130mm		120mm	
Spoke Holes	(B) 36H	(C) 32H	(B) 36H	(C) 32H	(B) 36H	(C) 32H
Pitch Circle Diameter	61.5mm		61.5mm		61.5mm	
Flange Width	70.6mm		66.6mm		66.6mm	
Center to Flange	Right	35.3mm	33.3mm		33.3mm	
	Left	35.3mm	33.3mm		33.3mm	
Finish	Hi-Polish Anodized		Hi-Polish Anodized		Hi-Polish Anodized	
Average Weight	270g		335g		325g	

Single Speed Freewheel		
Model Name	SFS30	
Model No. (16T)	SFS30.W160.CA0	SFS30.N160.CA0
Model No. (17T)	SFS30.W170.CA0	SFS30.N170.CA0
Model No. (18T)	SFS30.W180.CA0	SFS30.N180.CA0
Model No. (19T)	SFS30.W190.CA0	SFS30.N190.CA0
Model No. (20T)	SFS30.W200.CA0	SFS30.N200.CA0
Model No. (21T)	SFS30.W210.CA0	SFS30.N210.CA0
Model No. (22T)	SFS30.W220.CA0	SFS30.N220.CA0
Chain Size	1/2" x 1/8"	1/2" x 3/32"
Outer Body Cog	Cold Forged Steel / Chrome Plated	
Inner Body	Cold Forged Steel / Chrome Plated	
Screw Cap	Steel / Chrome Plated	
Bearing	Loose Ball	
Average Weight	194g (16T)	186g (16T)

Specifications | Drum Brake Hubs

Front Drum Brake Hubs

Model Name	XL-FD	X-FD		SBF
Model No.	THSLD.FBSS.AA0	THSXD.FBSS.AA1	THSXD.FBLS.AA1	THSSB.FBSS.SA0
Model No. (High Polish)	THSLD.FBSS.HA0	THSXD.FBSS.HA1	THSXD.FBLS.HA1	×
Brake Type	90mm Drum Brake	70mm Drum Brake		70mm Drum Brake
Hub Shell Material	A356 Aluminum	A356 Aluminum		Steel
Bearing Type	Sealed Cartridge	Sealed Cartridge		Loose Ball
Axle Type	Solid Nutted	Solid Nutted		Solid Nutted
Axle Diameter	9mm	9mm		3/8" (26TPI) Slotted
Axle Length	136mm	136mm	152mm	136mm
Over Locknut Dimension	100mm	100mm		100mm
Spoke Holes	(B) 36H	(B) 36H		(B) 36H
Pitch Circle Diamter	109.0mm	89.8mm		83.0mm
Flange Width	58mm	58mm		56.0mm
Center to Flange	Right	32.0mm		29mm
	Left	26.0mm		29mm
Spoke Compatibility	13G & 14G	13G & 14G		14G
Finish	Natural Alloy	Natural Alloy		Painted Silver
Weight	970g	770g	780g	880g

Specifications | Drum Brake Hubs

Rear Drum Brake Hubs

Model Name	X-RD			X-RDC
Model No.	THSXD.RBSS.AA0	THSXD.RBAS.AA0	THSXD.7BSS.AA0	THSXD.CBLS.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
Axle Type	Solid Nuted			Solid Nuted
Axle Diameter	9mm			10mm
Axle Length	183mm	154mm	183mm	185mm
Over Locknut Dimension	135mm	119mm	135mm	135mm
R: Axle Protrusion Length	31mm	16.5mm	24mm	25mm
L: Axle Protrusion Length	17mm	16.5mm	24mm	25mm
D-Dimension	31mm	27.5mm	38mm	41mm
Spoke Holes	(B) 36H			(B) 36H
Pitch Circle Diameter	89.8mm			89.8mm
Flange Width	64.2mm			64.2mm
Center to Flange	Right	27.8mm	26.0mm	20.7mm
	Left	36.4mm	38.2mm	43.5mm
Spoke Compatibility	13G & 14G			13G & 14G
Finish	Natural Alloy			Natural Alloy
Weight	835g	795g	835g	950g

Specifications | Drum Brake Hubs

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 Nitted		HSL885 Solid Nitted	
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	(B) 36H		(B) 36H		(B) 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

Side Drum Brake Hubs

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 Nitted		HSL885 Solid Nitted	
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	(B) 36H		(B) 36H		(B) 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

Specifications | Front Cranksets FCS

Front Cranksets FCS

Model No.	FCSX6	FCSX4
Number of Teeth	36T	34T
Chainring Material	7075 Aluminum / Anodized + CNC	
Removable Chainring	●	
Crank Arm Spline Type	Integrated ISIS External BB	
Crank Arm Material	6061 Aluminum Forged / High-Polished Anodized	
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	
Chain	1/2" x 3/32"	
Bottom Bracket (Included)	Model	BBRS (A1)
	Shell Width	BSA 68mm
	Chain Line	45mm
	Weight	125g
Weight (Right)	474g	470g
Weight (Left)	260g	260g
Total Weight	859g	855g

Front Cranksets FCS

Model No.	FCSS2	FCSS1
Number of Teeth	56T Flat	54T Flat or Dished*
Chainring Material	Aluminum	
Removable Chainring	●	
Crank Style	Polished 5-Arm Spider	
Crank Arm Material	6061 Aluminum Forged / High-Polished Anodized	
Crank Arm Length	170mm	
Chainring Bolts / Nuts	SCM435 Chromoly	
Bolt Circle Diameter	130mm	
Chain	1/2" x 3/32"	
Chainguard Outer	Aluminum	Aluminum
Chainguard Inner	×	Aluminum
Bottom Bracket (Optional)	Model	BBS18 / BBS15 (Sun Race)
	Shell Width	(S) 68mm
	Spindle Length	(K) 119mm
	Chain Line	45mm
Weight (Right)	435g	425g
Weight (Left)	205g	205g
Total Weight	640g	630g

*CG versions require Dished Chainring and 113mm Spindle.

Front Cranksets FCS

Model No.	FCS75	FCS73	FCS72	FCS71	FCS70	FCS7B
Number of Teeth	44T	44T	44T	42T	42T	42T
Chainring Material	Aluminum	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		
Crank Arm Material	A356.2 Aluminum			A356.2 Aluminum		
Crank Arm Length	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
Chain	1/2" x 3/32"			1/2" x 3/32"		
Chainguard Outer	Aluminum	Aluminum	Hi-Tensile Steel	Aluminum	Hi-Tensile Steel	Aluminum
Chainguard Inner	Aluminum	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 Width	(S) 68mm			(S) 68mm	
	Spindle Length	(F) 111mm			(F) 111mm	
	Chain Line	45mm			45mm	
Weight (Right)	400g	510g	610g	505g	595g	475g
Weight (Left)	210g	210g	210g	210g	210g	210g
Total Weight	610g	720g	820g	715g	805g	685g

Specifications | Front Cranksets FCS

Front Cranksets FCS

Model No.	FCS81	FCS80	FCSA8	FCSA6	FCSA3	FCSB8
Number of Teeth	33T	30T	38T	36T	33T	38T
Chaining 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			A-Crank
Crank Arm Material	A356.2 Aluminum		A356.2 Aluminum			A356.2 Aluminum
Crank Arm Length	175mm / 170mm		170mm			170mm
Cover Ring Diameter	92mm		95mm			95mm
Chain Size	1/2" x 1/8"		1/2" x 3/32"			1/2" x 1/8"
Chain Guard Option	X		X			X
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)		BBS15 (Sun Race)		BBS15 (Sun Race)
	Shell Width	(S) 68mm		(S) 68mm		(S) 68mm
	Spindle Length	(5) 115mm		(H) 122mm		(H) 122mm
	Chain Line	45mm		45mm		45mm
Weight (Right)	451g	430g	442g	428g	407g	536g
Weight (Left)	240g	240g	215g	215g	215g	215g
Total Weight	691g	670g	657g	643g	622g	751g

Front Cranksets FCS

Model No.	FCS52	FCS51	FCS50	FCS32	FCS31	FCS30
Number of Teeth	38T	36T	33T	38T	36T	33T
Chaining 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		
Cover Ring Diameter	92mm			92mm		
Chain Size	1/2" x 3/32"			1/2" x 3/32"		
Chain Guard Option	●	X	X	●	X	X
Bottom Bracket (Optional)	Model	BBS15 (Sun Race)		BBS15 (Sun Race)		
	Shell Width	(S) 68mm		(S) 68mm		
	Spindle Length	(N) 122mm		(N) 122mm		
	Chain Line	45mm		45mm		
Weight (Right)	445g	431g	410g	410g (170)	396g (170)	375g (170)
Weight (Left)	240g	240g	240g	215g (170)	215g (170)	215g (170)
Total Weight	685g	671g	650g	625g (170)	611g (170)	590g (170)

Specifications | Front Cranksets FCT

Front Cranksets FCT		FCT88	FCT86	FCT84	FCT82
Model No.		FCT88	FCT86	FCT84	FCT82
Crank Arm Spline Type		Integrated ISIS External BB	Integrated ISIS External BB	Integrated ISIS External BB	Integrated ISIS External BB
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			
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	BBRS	BBRS	BBRS	BBRS
	Adapter	Aluminum / Silver Anodized	Aluminum / Silver Anodized	Aluminum / Silver Anodized	Aluminum / Silver Anodized
	Shell Width	BSA 68mm	BSA 68mm	BSA 68mm	BSA 68mm
	Chain Line	42.0mm	42.0mm	42.0mm	42.0mm
	Weight	112g	112g	112g	112g
Weight (R)		558g (170)	550g (170)	527g (170)	525g (170)
Weight (L)		235g (170)	235g (170)	235g (170)	235g (170)
Total Average Weight		905g (170)	897g (170)	874g (170)	872g (170)

Specifications | Front Cranksets FCT

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 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
Weight (R)		455g (170)		447g (170)		424g (170)		426g (170)	
Weight (L)		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 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
Weight (R)		527g (170)		499g (170)		476g (170)		450g (170)	
Weight (L)		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 Width	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle Length	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Weight (R)	566g (170)	541g (170)	516g (170)	491g (170)
Weight (L)	210g (170)	210g (170)	210g (170)	210g (170)
Total 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			
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 Width	(S) 68mm	(S) 68mm	(S) 68mm
	Spindle Length	(A) 103mm	(A) 103mm	(A) 103mm
	Chain Line	43.5mm	43.5mm	43.5mm
Weight (R)	568g (170)	543g (170)	518g (170)	493g (170)
Weight (L)	211g (170)	211g (170)	211g (170)	211g (170)
Total 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 (x2)		Sealed Cartridge (x2)	
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/L103mm)		338g (68/L103mm)	

Chain Tensioners

Model Name	CTS8X		CTS86	CTS70
Model No.	CTS8X SD (B)	CTS8X SD (S)	CTS86 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
Chain Size	1/2" x 3/32"		1/2" x 3/32"	1/2" x 3/32"
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 / CNC	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

Note

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2014 ~ 2015 / Product Catalogue



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