



2008~2009

Product Catalogue

Introduction



The Original And Best
Since 1902

During the 19th century, Sir Frank Bowden had purchased a bicycle factory in Raleigh Street, Nottingham, England.

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 2008-2009 product range.

www.sturmey-archer.com

www.sturmey-archerheritage.com



Sturmey-Archer

S80[W]



The new 80 series of 8-speed internal gear hubs has the gears spread wider in steps of 30%, 14%, 14%, 14%, 14%, 14%, 14% and 30%. So close ratio for normal use and a super high and low when required. The total range has also been increased to 325% and the complete range is housed in aluminium alloy hub shells.

- X-RD8(W) - 8-speed hub with 70mm drum brake
- X-RK8(W) - 8-speed hub for use with disc brake
- X-RR8(W) - 8-speed hub for use with roller brake.
- X-RF8(W) - 8-speed hub without brake.
- TSS81 - Twist shifter for use with the new 80 series range.

The new S80 brake lever is especially designed to optimize drum (and cantilever) brake performance.

- Aluminium bracket body, lever and adjuster screws.
- Replaceable rubber cushion finger pads in lever.
- Ergonomically designed.

S50[W] / S55[W]

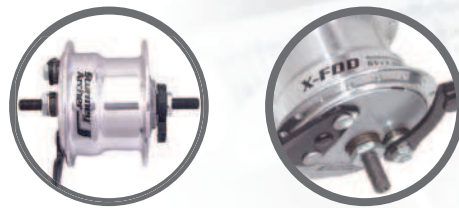


New S50(W) range of 5-speed internal gear hubs with 256% overall range and increased power built-in coaster brake.

- X-RC5(W) - Oversize aluminium hub shell with extra anti-rust protection.
- S-RC5(W) - Compact aluminium hub shell with extra anti-rust protection
- S5C(W) - Steel shell 5-speed coaster brake hub.
- TSS55 - Twist shifter for use with the new S50 range.

CONTENT

X-FDD



Dynohub Drum Brake.

P.1

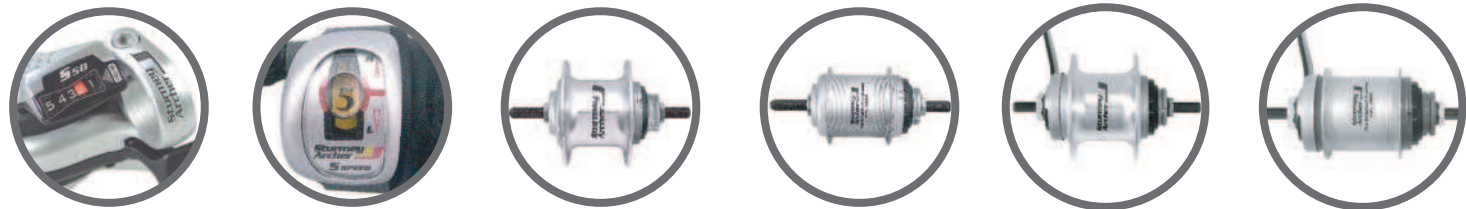
S80[W]



8 Speed Hubs.

P.3

S50
S50[W]
S5S
S5S[W]



5 Speed Hubs.

P.6

C30



Rotary 3 Speed Hubs.

P.11

CONTENT

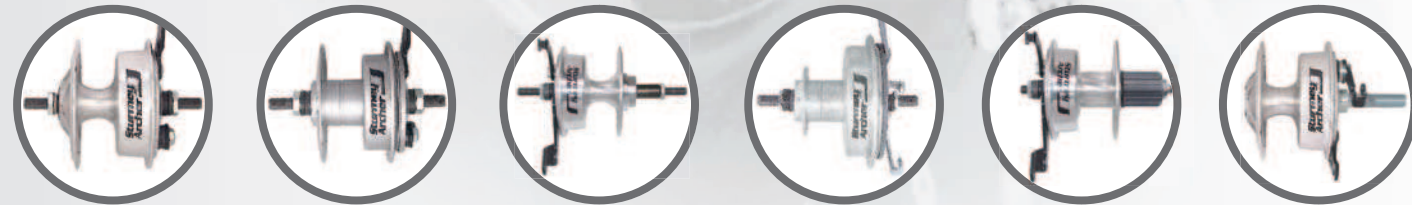
S30
S3S



Classic 3 Speed Hubs.

P.14

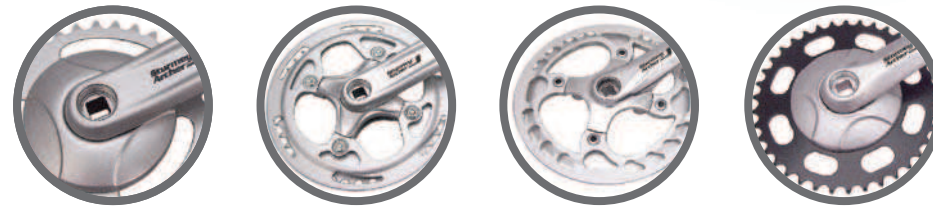
Drum Brake
Hubs



Front and Rear Drum Brake Hubs.

P.19

Front
Chainwheels



Front Chainwheels.

P.20

Parts



Fittings.

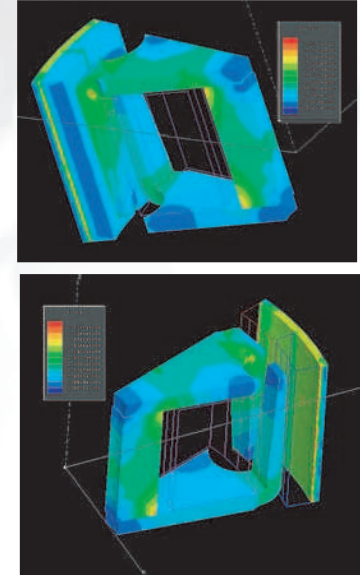
P.21

Specifications

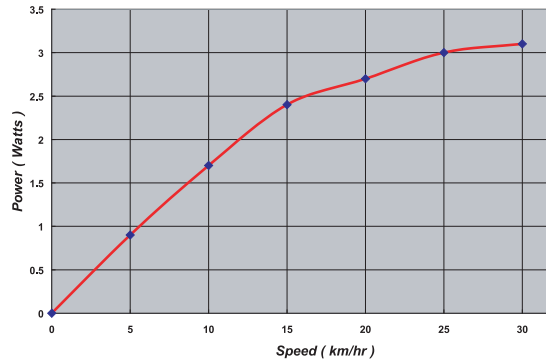
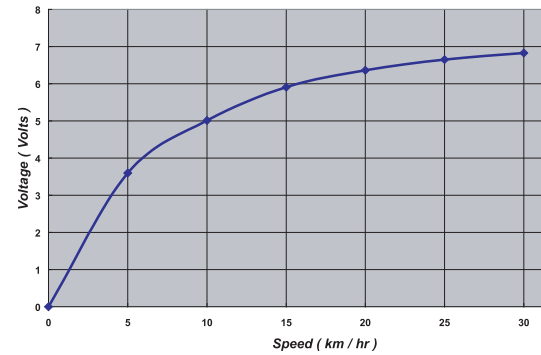
P.30

Features of X-FDD

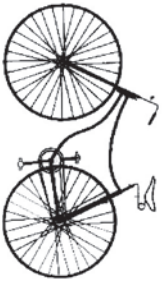
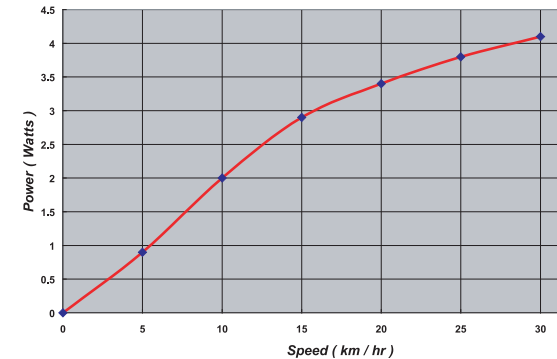
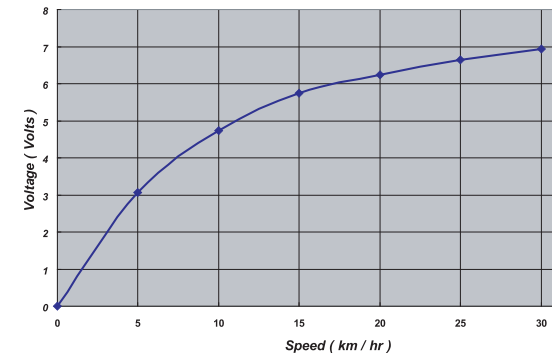
- World's first integrated dynohub & drum Brake.
- Totally sealed against weather conditions.
- 2.4W and 3.0W versions available.
- With sealed cartridge bearings.
- Low rolling resistance.



Output of 2.4 W Hub Dynamo



Output of 3.0 W Hub Dynamo



Dynohub Drum Brake

X-FDD
Sturmey Archer



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

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



HMN386
3899.0000.096
HMN414[Xylan]
3899.0000.240



HMW527
3809.0405.078



HMW528
3809.0405.081



Washer 1/16"
HMW146
3809.0405.012



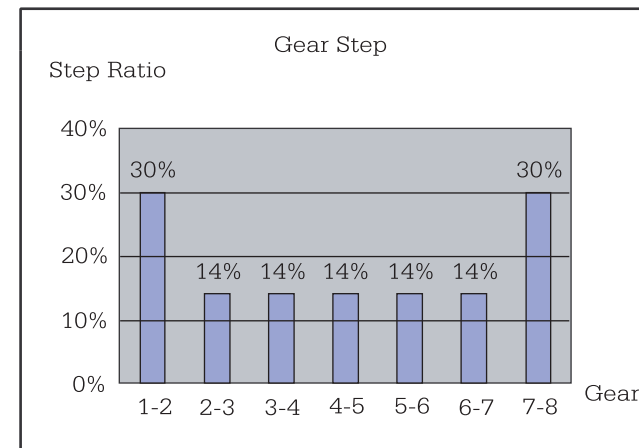
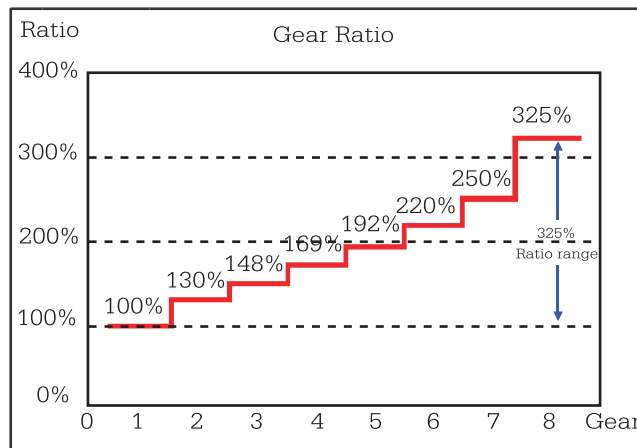
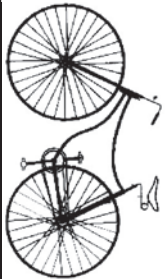
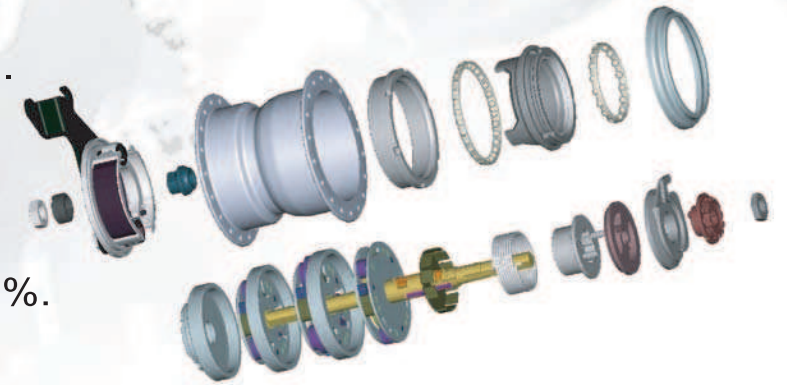
Sturmey Archer series

580 [W]

A New Generation of Hubs

Features of 580[W]

- New twist shifter with light action.
- New brake lever with replaceable rubber padding.
- New 8-speed internal gear hubs with aluminum shell.
- Patented modular technology.
- New wide gear ratio of 325%.
- Logical gear steps 30%,14%,14%,14%,14%,14%,14%,30%.
- Rotary gear changer.
- Easy gear change with low change load.
- Allows use of smaller chainwheels.
- Available with drum brake, use with roller brake or disk brake.



8 Speed

580 [W]



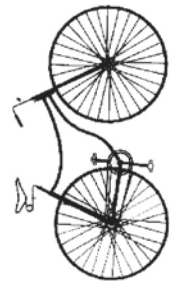
TSS82
HSJ955



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



X-RR8 [W]
8 Speed
Roller Brake Hub



BLS80
P/R/L



X-RF8 [W]
8 Speed Hub



X-RK8 [W]
8 Speed
Disk Brake Hub

8 Speed Parts



Sprocket Dust Cap
HSL882
3809.0805.032



25T CP 1/8" Dished
HSL822
CSIMW25D



25T CP 1/8" Flat
HSL883
CSIMW25F



23T CP 1/8" Dished
HSL821
CSIMW23D



19T CP 3/32" Flat
HSL873
CSIMN19D

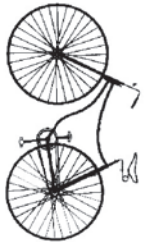


Sprocket Circlip
HSL880[Xylan]
3809.0707.003

25T CP 3/32" Dished
HSL867
CSIMN25D

23T CP 3/32" Dished
HSL868
CSIMN23D

HSL802
3899.0000.163



Fulcrum Lever
HSJ956
3810.0110.002



Fulcrum Lever Clip
HSJ957
3810.0110.001



Dome Nut
HMN388
3899.0000.095
HMN412[Xylan]
3899.0000.242



Lock Nut
HMN405
3809.0205.055



Lock Washer 13/32"*4mm*9.5mm
HMW518
3809.0405.041
3809.0407.015

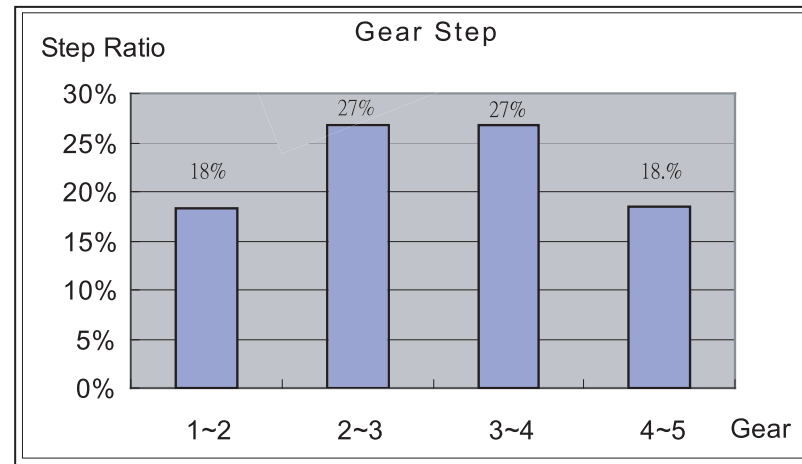
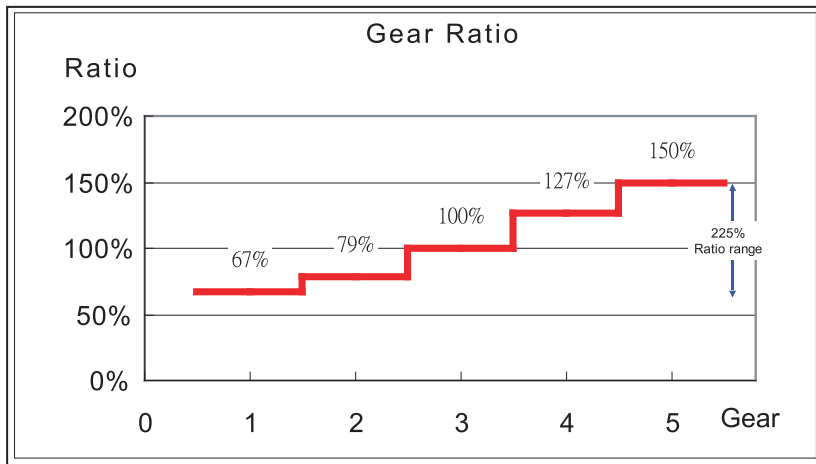
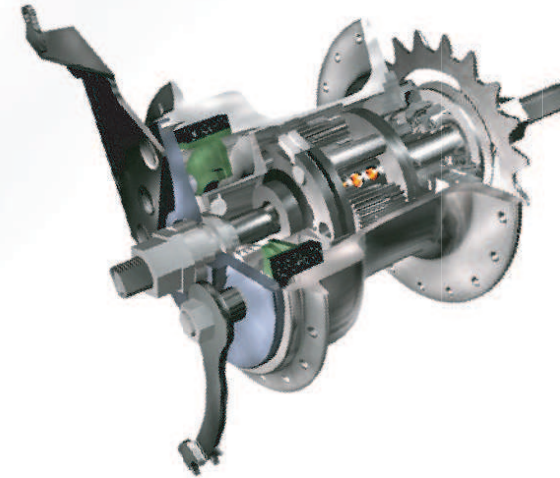
Fitting Sets

HFXW8HSSSO	HSL882	HSJ956	HSJ957	HSL880	HMN412 (x 2)		HMW529 (x 2)
HFXW8HSBSO	HSL882	HSJ956	HSJ957	HSL880	HMN412 (x 2)	HMN405	HMW529 (x 2)

550 / 555

Features of 550/555

- New trigger shifter.
- 5 speed internal gear hubs.
- Patented ball locking technology.
- Gear ratio of 225%.
- Available with drum brake, use with disk brake.
- Available in aluminum and steel shells.



S50

5 Speed Alloy

S55 Steel



DLS50
HSJ942



TSS54
HSJ930



SLS5N
HSJ839
Nimbus 5 Thumb Shifter



X-RF5
5 Speed Hub



X-RK5
5 Speed
Disk Brake Hub



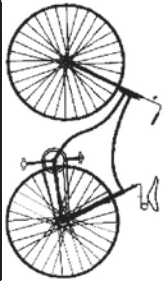
S5
5 Speed Hub



X-RD5
5 Speed
70mm Drum Brake Hub



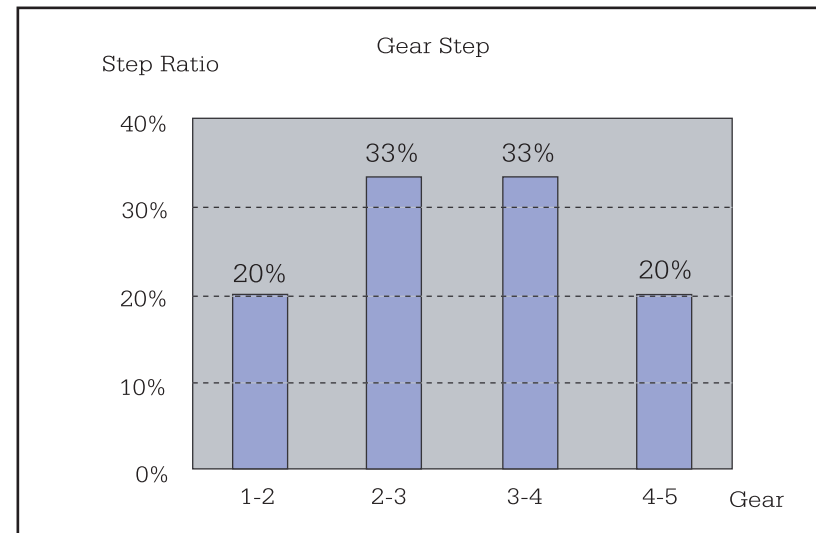
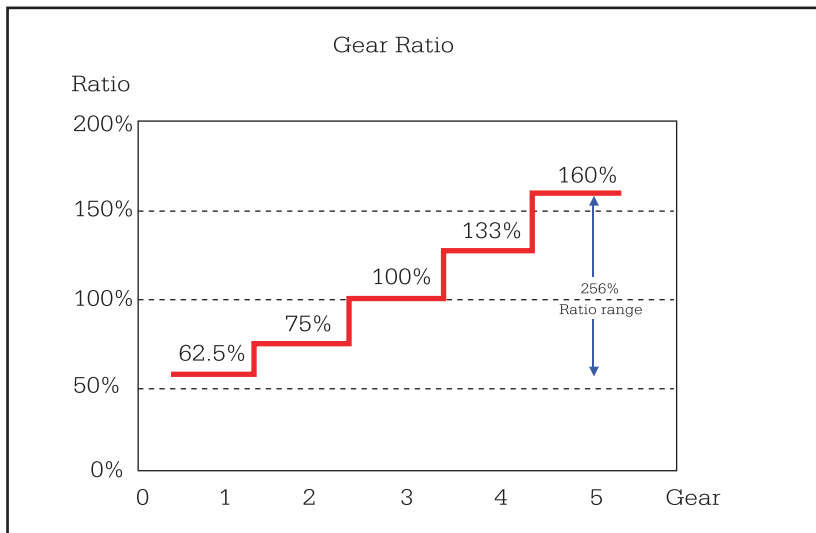
AB5
5 Speed
90mm Drum Brake Hub



550[W] / 555[W]

Features of 550[W]/555[W] Coaster

- New ergonomically designed easy to twist shifter.
- New wide ratio 5 speed internal gear hubs with coaster brake.
- Gear ratio of 256%.
- Gear steps of 20%, 33%, 33%, 20%.
- More powerful braking force.

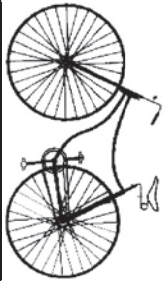


S50 [W]

5 Speed Alloy

S55 [W] Steel

Sturmey Archer
S series



TSS55
HSJ952



S-RC5 [W]
5 Speed
Coaster Brake Hub



X-RC5 [W]
5 Speed
Coaster Brake Hub



S5C [W]
5 Speed
Coaster Brake Hub

5 Speed Parts

550 / 555 / 550[W] / 555[W]



Gear Selector Guide Full Cover
HSA620
3810.0505.019



Fulcrum Lever With Locating Washer
HSJ905
3810.0105.011



Lock Washer
13/32"*4mm*9.5mm
HMW518 HMW529[Xylan]
3809.0405.041 3809.0407.015



Mark Blue
HSA317
3810.0605.025



Gear Selector Guide
HSA646
3899.0000.297



Nut
HMN128 HMN411[Xylan]
3909.0205.006 3809.0212.011



Mark Yellow
HSA585
3810.0605.026



Sprocket Circlip
HSL721
3809.0705.005
HSL879[Xylan]
3809.0707.002



Sprocket Options
see page 25



Dome Nut
HMN388
3899.0000.095
HMN412[Xylan]
3899.0000.242



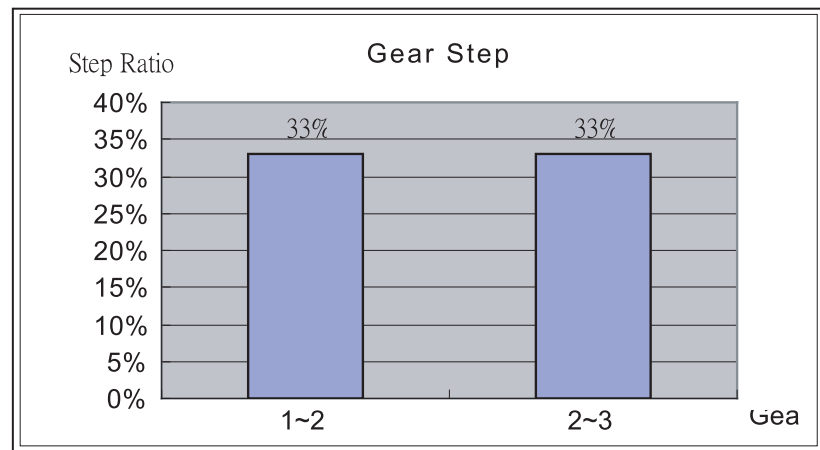
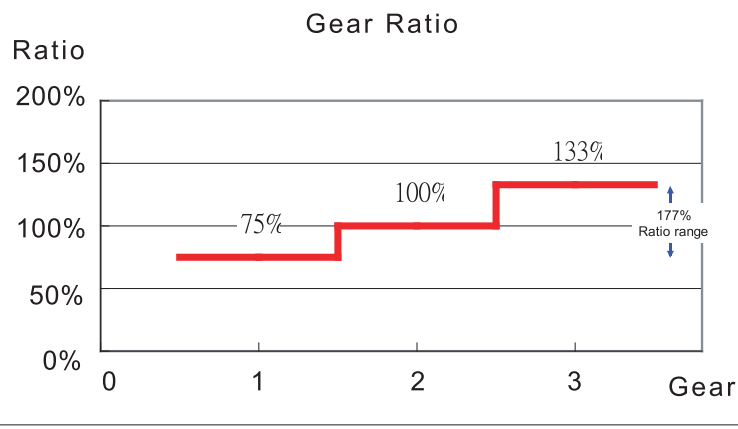
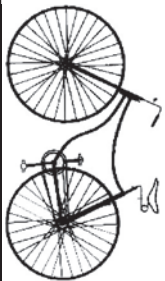
Fitting Sets

HFIS5BSSS0	HSA317	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS5BSSS0	HSA317	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)
HFIS5YSSS0	HSA585	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388	HMW518 (x 2)
HFXS5YSSS0	HSA585	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412	HMW529 (x 2)

C30

Features of C30

- Rotary selector 3 speed hubs.
- Trigger shifter option.
- Available with drum brake, coaster brake and for band & roller brake.
- Gear ratio of 177%.
- Aluminum shell.



Rotary 3 Speed Alloy

C30



DLC34
HSJ940



TSS34
HSJ931



RS-RF3
3 Speed Hub



RX-RD3
3 Speed
70mm Drum Brake Hub



RS-RB3
3 Speed
Band Brake Hub



RS-RR3
3 Speed
Roller Brake Hub

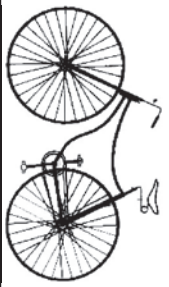


Sturmey Archer series

C30

Rotary 3 Speed Parts

S series



HSL802
3899.0000.163



HSL872
3899.0000.204



Tool
HTR137
3810.0590.001



Sprocket Circlip
HSL721
3809.0705.005
HSL879[Xylan]
3809.0707.002



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

Fulcrum Lever Set
HSJ932
3899.0000.190

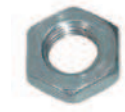


HMN406
3809.0205.045
HMN417[Xylan]
3809.0212.005



Lock washer
3/8" *4mm*9.5mm

HMW530[Xylan] HMW521
3809.0407.002 3809.0405.043



HMN408
3809.0205.054



HMN387
3809.0000.097
HMN413[Xylan]
3809.0000.241

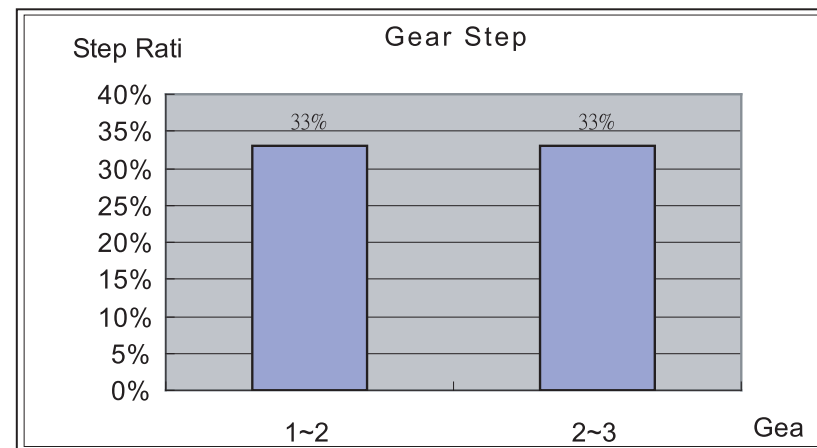
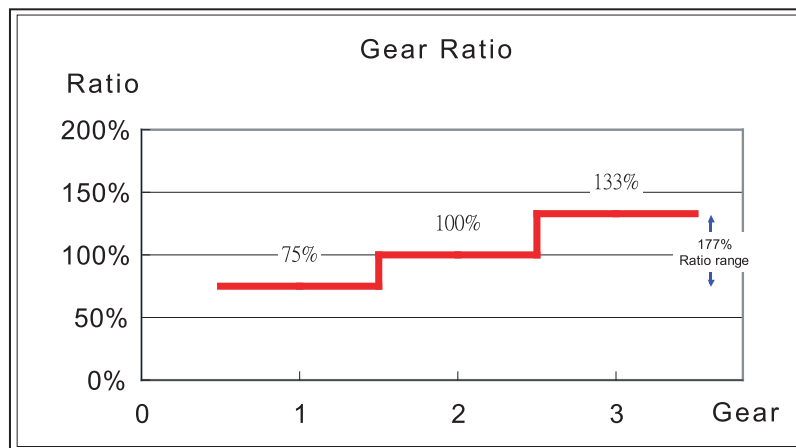
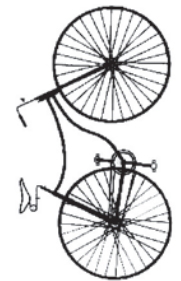
Fitting Sets

HFIC3SSSS0	HSJ932	HMN406	HSL721	HMW521 (x 2)	HMN387 (x 2)
HFXC3SSSS0	HSJ932	HMN417	HSL879	HMW530 (x 2)	HMN413 (x 2)
HFIC3SSBS0	HSJ932	HMN406	HSL721	HMW521 (x 2)	HMN408
HFXC3SSBS0	HSJ932	HMN417	HSL879	HMW530 (x 2)	HMN408
					HMN387 (x 2)
					HMN413 (x 2)

S30 / S35

Features of S30/S35

- Wide selection of gear controls including trigger, stick lever, and twist shifters.
- Classic 3 speed internal gear hubs.
- Special application hub family SX-TS-QS.
- Gear ratio of 177%.
- Available with drum brake, coaster brake and for band & roller brake.
- Available in aluminum and steel shells.



S30

3 Speed Alloy



DLS30
HSJ943



TSS33
HSJ939



TSS31
HSJ927



X-RD3
3 Speed
70mm Drum Brake Hub



S-RK3
3 Speed
Disk Brake Hub



OSS30
HSJ865
Orion 3 Shifter



S-RC3 (II)
3 Speed
Coaster Brake Hub



S-RB3
3 Speed
Band Brake Hub



S-RF3
3 Speed Hub

3 Speed Steel

S3S



SLS3C
HSJ762
Classic Trigger



SLS3N
HSJ823
Nimbus Thumb Shifter



SAB3
3 Speed
70mm Drum Brake Hub



AB3
3 Speed
90mm Drum Brake Hub



AWC [II]
3 Speed
Coaster Brake Hub



AWB
3 Speed
Band Brake Hub



AW
3 Speed Hub

Sturmey Archer series

SX/ TS/ QS



SX-RK3
3 Speed
Disk Brake Hub



SX-RB3
3 Speed
Band Brake Hub



TS-RF3
3 Speed Hub



TS-RB3
3 Speed
Band Brake Hub



TS-RC3
3 Speed
Coaster Brake Hub



QS-RC3



CLS31
HSJ944

CLS30
HSJ945

CLS3S
HSJ946

CLS3M
HSJ947

S series

3 Speed Parts





S30 / S35

SX / TS / QS



Sprocket options see page 25

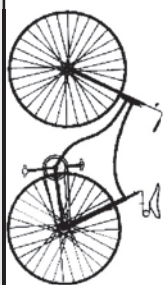
Fitting Sets

									
HFIS32SSS0	HSA126	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388		HMW518(x 2)
HFXS32SSS0	HSA126	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412		HMW529(x 2)
									
HFIS33SSS0	HSA315	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388		HMW518 (x 2)
HFXS33SSS0	HSA315	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412		HMW529 (x 2)
									
HFIS33SBS0	HSA315	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388	HMN405	HMW518 (x 2)
HFXS33SBS0	HSA315	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412	HMN405	HMW529 (x 2)
									
HFIS34SSS0	HSA316	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388		HMW518 (x 2)
HFXS34SSS0	HSA316	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412		HMW529 (x 2)
									
HFIS35SSS0	HSA420	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388		HMW518 (x 2)
HFXS35SSS0	HSA420	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412		HMW529 (x 2)
									
HFIS35SBS0	HSA420	HSL721	HSA646	HMN128	HSJ905	HSA620	HMN388	HMN405	HMW518 (x 2)
HFXS35SBS0	HSA420	HSL879	HSA646	HMN411	HSJ905	HSA620	HMN412	HMN405	HMW529 (x 2)


 series

Drum Brake Hubs

Scurry Archer series



X-FD
70mm Front
Drum Brake Hub



SBF
70mm Front
Drum Brake Hub



X-FD(H)
THH50 LH 70mm
Drum Brake Hub
(Solid Axle)



X-FD(H)
THH50 RH 70mm
Drum Brake Hub
(Solid Axle)



X-RD
70mm Rear
Drum Brake for Freewheel



BF
90mm Front
Drum Brake Hub



X-FD(H)
THH60 LH 70mm
Drum Brake Hub
(QR)



X-FD(H)
THH60 RH 70mm
Drum Brake Hub
(QR)



X-RDC
70mm Rear
Drum Brake for Cassettes

Solid Axle	HSL 881	3805.0205.017
RH Brake Assy.	HSB 509	3899.0000.119
LH Brake Assy.	HSB 510	3899.0000.122
Hub Shell Assy.	HSB 500	3899.0000.123
Inner Washer w/ O-ring	HMW 532	3899.0000.195
Inner Washer w/o O-ring	HMW 531	3809.0405.057
Outer Washer	HMW 533	3809.0405.036

Quick Release Axle	HSL 819	3809.0205.058
RH Brake Assy. QR	HSB 515	3899.0000.355
LH Brake Assy. QR	HSB 514	3899.0000.354
Hub Shell Assy.	HSB 500	3899.0000.123

Cranksets



FCS80 30T
FCS81 33T



FCS50 33T
FCS51 36T
FCS52 38T

FCS52



FCS30 33T
FCS31 36T
FCS32 38T

FCS32



FCS70 42T
FCS71 42T
FCS72 44T
FCS73 44T
FCS74 44T



FCS7S 42T



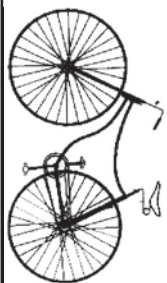
FCSS1 54T
[Double/Single Cover]

FCSS2 56T
[Single Cover]



Parts

Scuro
S
series





Nuts & Washers

Front Hub

<p>M9</p> <p>X-FD X-FDD</p>	 Hex15 HMN386 3899.0000.096 HMN414[Xylan] 3899.0000.240	 Hex14 HMN409 3809.0205.098	 HMW528 3809.0405.081  Washer 1/16" HMW146 3809.0405.012  Washer 1/8" HMW129 3809.0405.016
<p>3/8"</p> <p>RS-RF3 SBF RS-RR3 BF RS-RB3 RX-RD3</p>	 Hex15 HMN387 3899.0000.097 HMN413[Xylan] 3899.0000.241	 Hex14 HMN401 3809.0205.044  Hex15 HMN118 3809.0205.018 HMN416[Xylan] 3809.0212.020	Washer 1/16" HMW146 3809.0405.012  Washer 1/8" HMW129 3809.0405.016
<p>13/32"</p> <p>All Rear Hubs Excluding Rotary Series</p>	 Hex15 HMN388 3899.0000.095 HMN412[Xylan] 3899.0000.242	 Hex15 HMN385 3809.0205.025  Hex15 HMN128 3809.0205.006 HMN411[Xylan] 3809.0212.011	

Rear Hub



series


5/3Speed Parts

Indicators

3Speed



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

5Speed



Mark Blue
HSA317
3810.0605.025



Mark Yellow
HSA585
3810.0605.026



Mark Red
HSA490
3810.0605.027

Cable Anchorage



HSL759
3899.0000.098



HSJ925 3899.0000.166
HSJ926 3899.0000.152 (Slotted)



HSJ954 3899.0000.353(Aluminum)

Shifter Cable/Casing Set



Twist Shifter
HSJ887 (1420mm)



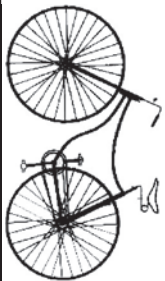
Nimbus Shifter
HSJ802 (1400mm)



Orion Shifter
HSJ887 (1420mm)



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



5/3 Speed Parts



Indicator Guard
HSL711
3810.0505.002



Guide Nut-Standard
HMN129
3809.0205.005
HMN418[Xylan]
3809.0217.002



Guide Nut-Short
HMN402
3809.0205.036
HMN419[Xylan]
3809.0217.003



Gear Selector Guide Full Cover
HSA620
3810.0505.019



Gear Selector Guide
HSA646
3899.0000.297



Fulcrum Lever
HSJ842
3810.0105.012



Fulcrum Lever with Locating Washer
HSJ905
3810.0105.011



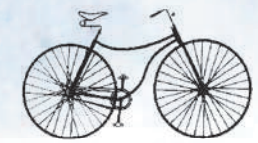
Nut
HMN128
3809.0205.006
HMN411[Xylan]
3809.0212.011












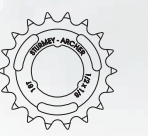
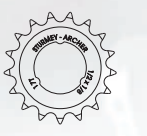






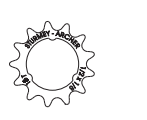




Locating Washer
HSJ929
3810.0105.008

5/3 Speed Parts

Sprockets



SUNNY ARCHER series

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

5/3 Speed Parts

Sprocket Fittings



Sprocket Circlip
HSL721
3809.0705.005
HSL879[Xylan]
3809.0707.002



Plastic Sprocket Dustcap
HSL871
3809.0805.025

Lockwasher For Chain Adjuster



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



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



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



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



Brake Cable Assembly



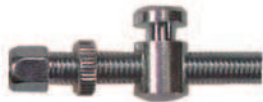
900mm
HSK730
BSD050900BA0
[SBF, X-FD, X-FDD]



900mm
HSK740
BSD010900BA0
[BF]



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



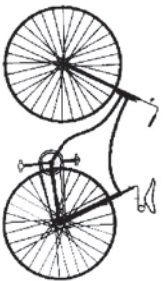
Brake Adjuster Assembly
HSB422
3899.0000.154
[SBF, SAB3, AB3, AB5, X-FD, X-RD3, X-RD5, X-RD8]



Brake Adjuster Assembly
HSB307
3899.0000.172
[BF]



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



15.9mm(5/8")
HCB101
3899.0000.153



15.5mm
HSL767
3899.0000.115



15.9mm(5/8")
HSL768
3899.0000.112



22.2mm(7/8")
HSL769
3899.0000.116



17.0mm
HSL791
3899.0000.150



19.1mm(3/4")
HSL761
3899.0000.174

Fulcrum Clips & Pulleys

Fulcrum Clips



Top tube and Down tube



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



25.4mm (1")
HSJ512
3899.0000.100
include HSJ515



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

Chainstay and Backstay



15.9mm (5/8")
HSJ553
3899.0000.102



17.5mm (11/16")
HSJ548
3899.0000.101



19.1mm (3/4")
HSJ753
3899.0000.103



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



Fulcrum Sleeve
HSJ515
3810.0505.003

Pulleys

Top tube and Down tube

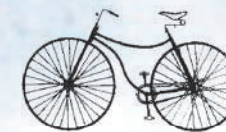


28.6mm (1-1/8")
HSJ521
3899.0000.105



25.4mm (1")
HSJ520
3899.0000.104

Specifications



Dynamo Drum Hubs

Group	Front Dynamo Drum	
	X-FDD 2.4	X-FDD 3.0
Model Name	X-FDD 2.4	X-FDD 3.0
Model No.	HDS21TBSSAA2	HDS31TBSSAA2
Type	70mm Drum Brake	70mm Drum Brake
Voltage	6V	6V
Output	2.4W	3.0W
Hub Shell Material	A356 Aluminum	A356 Aluminum
Finish	Natural Alloy	Natural Alloy
Bearing Type	Sealed Cartridge	Sealed Cartridge
Hub Axle Diameter	9mm	9mm
Hub Axle Length	140mm	140mm
Over Locknut Dimension	100mm	100mm
Spoke Holes	36H	36H
Pitch Circle Diameter	89.8mm	89.8mm
Flange Width	56.5mm	56.5mm
Offset	0mm	0mm
Spoke Compatibility	13G, 14G	13G, 14G

Shifters

Group	S80(W)	
	TSS82 R8 (S)	TSS82 R8 (A~U)
Model No.	TSS82 R8 (S)	TSS82 R8 (A~U)
Sales No.	HSJ 955	n/a
Type	Twist	
Speeds	8-Speed	
Cable Adjuster	○	
Cyclop Display	○	
Clamp Material	A6061 Aluminum	
Clamp Fastening Screw	SUS302 Stainless Steel	
Cable Type	Slick-Stainless	
Cable Length	2000mm	×
OEM Pre-Assembled	×	○
Pre-Assembled Cable Adjuster	×	○
Pre-Assembled Indicator Connector	×	○
Pre-Assembled Casing Length	×	1200~2000mm
Pre-Assembly Casing Type	×	SP
Weight	77.5g	n/a

STURM ARCHER

Specifications



Shifters

Group	S50		S50		S50(W) / S5S(W)	
Model No.	DLS50 R5 (S)	DLS50 R5 (A~U)	TSS54 R5 (S)	TSS54 R5 (A~U)	TSS55 R5 (S)	TSS55 R5 (A~U)
Sales No.	HSJ 942	n/a	HSJ 930	n/a	HSJ 952	n/a
Type	Dual Lever Trigger		Twist		Twist	
Speeds	5-Speed		5-Speed		5-Speed	
Cable Adjuster	○		○		×	
Large Lever	Aluminum		×		×	
Small Lever	Engineering Polymers		×		×	
Clamp Material	Aluminum		A6061 Aluminum		A6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SUS302 Stainless Steel		SCM435 Chromoly	
Cable Type	Slick-Galvanized		Slick-Stainless		Slick-Galvanized	
Cable Length	2000mm	×	2000mm	×	2000mm	×
OEM Pre-Assembled	×	○	×	○	×	○
Pre-Assembled Cable Adjuster	×	○	×	○	×	○
Pre-Assembled Indicator Connector	×	○	×	○	×	○
Pre-Assembled Casing Length	×	1200~2000mm	×	1200~2000mm	×	1200~2000mm
Pre-Assembly Casing Type	×	SP	×	SP	×	SP
Weight	155.5g	n/a	61g	n/a	77.5g	n/a

Group	S5S			
Model No.	OSS50 R5(N)	OSS50 R5 (A~U)	SLS5N R5(N)	SLS5N R5 (A~U)
Sales No.	HSJ 866	n/a	HSJ 839	n/a
Type	Orion		Thumb	
Speeds	5-Speed		5-Speed	
Cable Type	Separate	Slick-Galvanized	Separate	Slick-Galvanized
OEM Pre-Assembled	×	○	×	○
Pre-Assembled Cable Adjuster	×	○	×	○
Pre-Assembled Indicator Connector	×	○	×	○
Pre-Assembled Casing Length	×	1200~2000mm	×	1200~2000mm
Pre-Assembly Casing Type	×	SP	×	SP
Weight	67g	n/a	54g	n/a

Specifications



Shifters

Group	C30			
	DLC34 R3 (S)	DLC34 R3 (A~U)	TSS34 R3 S	TSS34 R3 A~U
Model No.	HSJ 940	n/a	HSJ 931	n/a
Sales No.	HSJ 940	n/a	HSJ 931	n/a
Type	Dual Lever Trigger		Twist	
Speeds	3-Speed (For C30 Series Only)		3-Speed (For C30 Series Only)	
Cable Adjuster	○		○	
Clamp Material	Aluminum		6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SUS302 Stainless Steel	
Large Lever	Aluminum		×	
Small Lever	Engineering Polymers		×	
Cable Type	Slick-Galvanized		Slick-Stainless	
Cable Length	2000mm	×	2000mm	
OEM Pre-Assembled	×	○	×	○
Pre-Assembled Cable Adjuster	×	○	×	○
Pre-Assembled Indicator Connector	×	○	×	○
Pre-Assembled Casing Length	×	1200~2000mm	×	1200~2000mm
Pre-Assembly Casing Type	×	2SP	×	2SP
Weight	155.5g	n/a	80.5g	n/a



STURM
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ARCHER

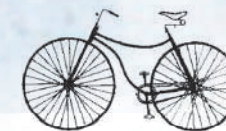
Specifications



Shifters

Group	S30		S30			
	DLS30 R3 (S)	DLS30 R3 (A~U)	TSS33 R3 (S)	TSS33 R3 (A~U)	TSS31 R3 (S)	TSS31 R3 (A~U)
Model No.	HSJ 943	n/a	HSJ 939	n/a	HSJ 927	n/a
Sales No.	HSJ 943	n/a	HSJ 939	n/a	HSJ 927	n/a
Type	Dual Lever Trigger		Twist		Twist	
Speeds	3-Speed		3-Speed		3-Speed	
Cable Adjuster	○		×		×	
Clamp Material	Aluminum		6061 Aluminum		6061 Aluminum	
Clamp Fastening Screw	SCM435 Chromoly		SUS302 Stainless Steel		SCM435 Chromoly	
Large Lever	Aluminum		×		×	
Small Lever	Engineering Polymers		×		×	
Cable Type	Slick-Galvanized		Galvanized		Galvanized	
Cable Length	2000mm		2000mm		2000mm	
OEM Pre-Assembled	×	○	×	○	×	○
Pre-Assembled Cable Adjuster	×	○	×	○	×	○
Pre-Assembled Indicator Connector	×	○	×	○	×	○
Pre-Assembled Casing Length	×	1200~2000mm	×	1200~2000mm	×	1200~2000mm
Pre-Assembly Casing Type	×	2SP	×	2SP	×	2SP
Weight	155.5g	n/a	61.5g	n/a	63.5g	n/a

Specifications



Shifters

Group	S30		S3S		S3S	
	OSS30 R3 (N)	OSS30 R3 (A~U)	SLS3C R3 (N)	SLS3C R3 (A~U)	SLS3N R3 (N)	SLS3N R3 (A~U)
Model No.	HSJ 865	n/a	HSJ 762	n/a	HSJ 823	n/a
Sales No.	HSJ 865	n/a	HSJ 762	n/a	HSJ 823	n/a
Type	Orion		Thumb		Thumb	
Speeds	3-Speed		3-Speed		3-Speed	
Cable Type	Separate	Galvanized	Separate	Slick-Galvanized	Separate	Slick-Galvanized
OEM Pre-Assembled	×	○	×	○	×	○
Pre-Assembled Cable Adjuster	×	○	×	○	×	○
Pre-Assembled Indicator Connector	×	○	×	○	×	○
Pre-Assembled Casing Length	×	1200~2000mm	×	1200~2000mm	×	1200~2000mm
Pre-Assembly Casing Type	×	2SP	×	2SP	×	2SP
Weight	67g	n/a	67.5g	n/a	54g	n/a

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

Specifications



Internal Gear Hubs

Group		S80(W)			
Model Name		X-RF8(W)	X-RR8(W)	X-RK8(W)	X-RD8(W)
Model No.		IHW8FXBSSAA0	IHW8RXBSSAA0	IHW8KXBSSAA0	IHW8TXBSSAA0
Speed		8-Speed	8-Speed	8-Speed	8-Speed
Type		Freewheel	Roller Brake Type	Disk Brake Type	70mm Drum Brake
Hub Shell Material		6061 Aluminum	6061 Aluminum	6061 Aluminum	A356 Aluminum
	Overall Range	325%	325%	325%	325%
	1	Direct Drive	Direct Drive	Direct Drive	Direct Drive
	2	(+) 30%	(+) 30%	(+) 30%	(+) 30%
	3	(+) 14%	(+) 14%	(+) 14%	(+) 14%
Gear Ratio	4	(+) 14%	(+) 14%	(+) 14%	(+) 14%
	5	(+) 14%	(+) 14%	(+) 14%	(+) 14%
	6	(+) 14%	(+) 14%	(+) 14%	(+) 14%
	7	(+) 14%	(+) 14%	(+) 14%	(+) 14%
	8	(+) 30%	(+) 30%	(+) 30%	(+) 30%
Axle Diameter		13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted
Axle Length		175.0mm	175.0mm	175.0mm	185mm
Over Locknut Dimension		115.0mm,120mm	127mm	127mm	132mm
R: Axle Protrusion Length		26.5mm	26.5mm	26.5mm	26.5mm
L: Axle Protrusion Length		33.4mm,28.6mm	22mm	22mm	26.5mm
Spoke Holes		28H,36H	28H,36H	28H,36H	36H
Pitch Circle Diameter		89.8mm	89.8mm	89.8mm	89.8mm
Flange Width		50.5mm	50.5mm	50.5mm	50.5mm
Spoke Compatibility		14G, (13G Option)	14G, (13G Option)	14G, (13G Option)	13G,14G
Sprocket Teeth		19, 23, 25T	19, 23, 25T	19, 23, 25T	19, 23, 25T
Change Line		38.1mm,40.5mm	44mm	44mm	46.6mm
Weight		1.77kg	1.83kg	1.86kg	2.17kg

Specifications

Internal Gear Hubs



Group		S50			S50(W)	S5S		S5S(W)
Model Name		X-RD5	X-RF5	X-RK5	X-RC5(W)	AB5	S5	S5C(W)
Model No.		IHS5TXBSSAA1	IHS5FXBSSAA2	IHS5KXBSSAA1	IHW5CXBSSAA0	IHS5TLBSSAA4	IHS5FWBSSAA3	IHW5CWBSAA0
Speed		5-Speed	5-Speed	5-Speed	5-Speed	5-Speed	5-Speed	5-Speed
Type		70mm Drum Brake	Freewheel	Disk Brake Type	Coaster Brake	90mm Drum Brake	Freewheel	Coaster Brake
Hub Shell Material		A356 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum	Steel	Steel	Steel
Gear Ratio	Overall Range	225%	225%	225%	256%	225%	225%	256%
	1	(-) 33.3%	(-) 33.3%	(-) 33.3%	(-) 37.5%	(-) 33.3%	(-) 33.3%	(-) 37.5%
	2	(-) 21.1%	(-) 21.1%	(-) 21.1%	(-) 25%	(-) 21.1%	(-) 21.1%	(-) 25%
	3	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
	4	(+) 26.6%	(+) 26.6%	(+) 26.6%	(+)33.33%	(+) 26.6%	(+) 26.6%	(+)33.33%
	5	(+) 50.0%	(+) 50.0%	(+) 50.0%	(+)60%	(+) 50.0%	(+) 50.0%	(+)60%
Axle Diameter		13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted	13/32" Slotted
Axle Length		171.2mm	171.2mm	171.2mm	175.0mm	171.2mm	171.2mm	175.0mm
Over Locknut Dimension		119.7mm	113.7mm	119.3mm	127mm	121.7mm	113.7mm	127mm
R: Axle Protrusion Length		24mm	24.0mm	24.0mm	24mm	24.0mm	24mm	24mm
L: Axle Protrusion Length		27.5mm	33.5mm	27.9mm	24mm	25.5mm	33.5mm	24mm
Spoke Holes		36H	36H	36H	36H	36H	36H	36H
Pitch Circle Diameter		89.8mm	89.4mm	89.4mm	89.4mm	65.5mm , 102.8mm	65mm	65mm
Flange Width		62.8mm	57.5mm	57.5mm	57.5mm	65.7mm	54.9mm	65.6mm
Spoke Compatibility		13G,14G	14G, (13G Option)	14G, (13G Option)	14G, (13G Option)	13G,14G	13G,14G	13G,14G
Sprocket Teeth		15~22T	15~22T	15~22T	15~22T	15~22T	15~22T	15~22T
Chain Line: 1/8" Flat 15~17T		45.9	42.9	45.7	49.8	46.9	42.9	49.8
Chain Line: 1/8" Dished 17~22T		44.3 , 47.7	41.3 , 44.7	44.1 , 47.5	48.1 , 51.5	45.3 , 48.7	41.3 , 44.7	48.1 , 51.5
Chain Line: 3/32" Flat 16T		45.5 , 46.3	42.5 , 43.3	45.3 , 46.1	49.4 , 50.2	46.5 , 47.3	42.5 , 43.3	49.4 , 50.2
Chain Line: 3/32" Dished 17~22T		43.8 , 47.8	40.8 , 44.8	43.6 , 47.6	47.7 , 51.9	44.8 , 48.8	40.8 , 44.8	47.7 , 51.9
Indicators		Blue	Blue	Blue	Yellow	Blue	Blue	Yellow
Weight		1.46kg	1.25kg	1.23kg	1.70kg	1.61kg	1.20kg	1.60kg

Specifications

Internal Gear Hubs



Group		C30			
Model Name		RX-RD3	RS-RR3	RS-RB3	RS-RF3
Model No.		IHC3TXBSSAA0	IHC3RQBSSAA0	IHC3BQBSSAA0	IHC3FQBSSAA0
Speed		3-Speed	3-Speed	3-Speed	3-Speed
Type		70mm Drum Brake	Roller Brake	Band Brake	Freewheel
Hub Shell Material		A356 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Finish		Natural Alloy			
Gear Ratio	Overall Range	177%			
	1	(-) 25%			
	2	Direct Drive			
	3	(+) 33.3%			
Axle Diameter		3/8" Slotted			
Axle Length		185mm	185mm	190mm	185mm
Over Locknut Dimension		132.4mm	134.5mm	133.7mm	128.5mm
R:Axle Protusion Length		27.3mm	27.3mm	27.3mm	27.3mm
L:Axle Protusion Length		25.3mm	23.2mm	29mm	29.2mm
Spocke Holes		36H	36H	36H	36H
Pitch Circle Diameter		89.8mm	67mm	67mm	67mm
Flange Width		62.8mm	53.4mm	53.4mm	53.4mm
Spoke Compatibility		13G,14G	14G, (13G Option)	14G, (13G Option)	14G, (13G Option)
Sprocket Teeth		17T	17T	17T	17T
Chain Line:3mm 17T Dished		45.6mm	44.7mm	44.3mm	41.7mm
Weight		1.4kg	1.3kg	1.3kg	1.3kg

Specifications



Internal Gear Hubs

Group		S30	
Model Name	S-RF3	S-RK3	
Model No.	IHS3FQDCSAA1	IHS3KQBLAAA1	
Speed	3-Speed	3-Speed	
Type	Freewheel	Disk Brake Type	
Hub Shell Material	6061 Aluminum	6061 Aluminum	
Gear Ratio	Overall Range	177%	177%
	1	(-) 25.0%	(-) 25.0%
	2	Direct Drive	Direct Drive
	3	(+) 33.3%	(+) 33.3%
Axle Diameter	13/32" Slotted	13/32" Slotted	
Axle Length	148.0mm	175.0mm	
Over Locknut Dimension	107.6mm	119.6mm	
R: Axle Protrusion Length	20.0mm	30.2mm	
L: Axle Protrusion Length	20.4mm	25.2mm	
Spoke Holes	28H	36H	
Pitch Circle Diameter	67mm	67mm	
Flange Width	53.4mm	53.4mm	
Spoke Compatibility	14G, (13G Option)	14G, (13G Option)	
Sprocket Teeth	15~22T	15~22T	
Chain Line: 1/8" Flat 15~17T	40	45.9	
Chain Line: 1/8" Dished 17~22T	38.4 , 41.8	44.3 , 47.7	
Chain Line: 3/32" Flat 16T	39.6 , 40.4	45.5 , 46.3	
Chain Line: 3/32" Dished 17~22T	37.9 , 41.9	43.8 , 47.8	
Indicators	MK2	MK5	
Weight	1.02kg	1.03kg	

Specifications

Internal Gear Hubs



Group		S3S						
Model Name		AB3	SAB3	AWC(II)		AWB	AW3	
Model No.		IHS3TLBSSSA4	IHS3TSBSSSA3	IHS3CWBLSA3	IHS3CWBSSSA3	IHS3BWBMSA3	IHS3FWBLSSA3	IHS3FWBLASA3
Speed		3-Speed	3-Speed	3-Speed		3-Speed	3-Speed	
Type		90mm Drum Brake	70mm Drum Brake	Coaster Brake		Band / Servo Brake	Freewheel	
Hub Shell Material		Steel	Steel	Steel		Steel	Steel	
Gear Ratio	Overall Range	177%	177%	177%		177%	177%	
	1	(-) 25.0%	(-) 25.0%	(-) 25.0%		(-) 25.0%	(-) 25.0%	
	2	Direct Drive	Direct Drive	Direct Drive		Direct Drive	Direct Drive	
	3	(+) 33.3%	(+) 33.3%	(+) 33.3%		(+) 33.3%	(+) 33.3%	
Axle Diameter		13/32" Slotted	13/32" Slotted	13/32" Slotted		13/32" Slotted	13/32" Slotted	
Axle Length		162.7mm	162.7mm	175.0mm	163.2mm	175.0mm	175.0mm	175.0mm
Over Locknut Dimension		117.1mm	117.9mm	116.3mm	116.3mm	113.2mm	126.8mm	118.8mm
R: Axle Protrusion Length		23.1mm	23.5mm	29.5mm	25.9mm	30.2mm	23.8mm	30.2mm
L: Axle Protrusion Length		22.5mm	21.3mm	29.2mm	21mm	31.6mm	24.4mm	26mm
Spoke Holes		36H	36H	36H	36H	36H	36H	36H
Pitch Circle Diameter		65.5mm , 102.8mm	65mm,82.7mm	65mm		65mm	65mm	
Flange Width		65.7mm	61.5mm	54.9mm		54.9mm	54.9mm	
Spoke Compatibility		13G, 14G	13G, 14G	13G, 14G		13G, 14G	13G, 14G	
Sprocket Teeth		15~22T	15~22T	15~22T		15~22T	15~22T	
Chain Line: 1/8" Flat 15~17T		44.6	45.4	45.6	43.9	42.7	43.1	45.5
Chain Line: 1/8" Dished 17~22T		43.0 , 46.4	43.8 , 47.2	44.0 , 47.4	42.3 , 45.7	41.0 , 44.4	41.5 , 44.9	43.9 , 47.3
Chain Line: 3/32" Flat 16T		44.2 , 45.0	45.0 , 45.8	45.2 , 46.0	43.5 , 44.3	42.4 , 43.0	42.7 , 43.5	45.1 , 45.9
Chain Line: 3/32" Dished 17~22T		42.5 , 46.5	43.3 , 47.3	43.5 , 47.5	41.8 , 45.8	40.6 , 44.8	41.0 , 45.0	43.4 , 47.4
Indicators		MK3	MK3	MK5	MK4	MK5	MK5	MK5
Weight		1.57 kg	1.41kg	1.36kg	1.35 kg	1.11kg	1.16kg	1.15kg

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Specifications



Internal Gear Hubs

Group	S3S			
Model Name	AW3			
Model No.	IHS3FWBSSSA3	IHS3FWDCSSA3	IHS3FWBSSSA3	IHS3FWDCSSA3
Speed	3-Speed			
Type	Freewheel			
Hub Shell Material	Steel			
Gear Ratio	Overall Range	177%		
	1	(-) 25.0%		
	2	Direct Drive		
	3	(+) 33.3%		
Axle Diameter	13/32" Slotted			
Axle Length	162.7mm	148.0mm	162.7mm	148.0mm
Over Locknut Dimension	117.2mm	107.6mm	117.2mm	107.6mm
R: Axle Protrusion Length	21.5mm	20.0mm	21.5mm	20.0mm
L: Axle Protrusion Length	24mm	20.4mm	24mm	20.4mm
Spoke Holes	36H	28H	36H	28H
Pitch Circle Diameter	65mm			
Flange Width	54.9mm			
Spoke Compatibility	13G, 14G			
Sprocket Teeth	15~ 22T			
Chain Line: 1/8" Flat 15~17T	43.1	40	43.1	40
Chain Line: 1/8" Dished 17~22T	41.5 , 44.9	38.4 , 41.8	41.5 , 44.9	38.4 , 41.8
Chain Line: 3/32" Flat 16T	42.7 , 43.5	39.6 , 40.4	42.7 , 43.5	39.6 , 40.4
Chain Line: 3/32" Dished 17~22T	41.0 , 45.0	37.9 , 41.9	41.0 , 45.0	37.9 , 41.9
Indicators	MK3	MK2	MK3	MK2
Weight	1.14kg	1.12kg	1.14kg	1.12kg

Specifications



Cruiser Hub

Group		Cruiser Hub SX	
Model Name		SX-RK3	SX-RB3
Model No.		IHS3KPBSSAA1	IHS3BPBSSAAA
Speed		3-Speed	
Type		Disk Brake	Band / Servo Brake
Hub Shell Material		6061 Aluminum	A356 Aluminum
Gear Ratio	Overall Range	177%	
	1	(-) 25.0%	
	2	Direct Drive	
	3	(+) 33.3%	
Axle Diameter		13/32" Slotted	
Axle Length		215.0mm	
Over Locknut Dimension		169.9mm	163.3mm
R: Axle Protrusion Length		23.3mm	23.3mm
L: Axle Protrusion Length		21.8mm	28.4mm
Spoke Holes		36H	
Pitch Circle Diameter		89.8mm	90.0mm
Flange Width		90.9mm	89.0mm
Spoke Compatibility		13G, 14G	
Sprocket Teeth		15~22T	
Chain Line: 1/8" Flat 15~17T		70.9	67.6
Chain Line: 1/8" Dished 17~22T		69.2,72.6	65.9,69.3
Chain Line: 3/32" Flat 16T		70.6,71.2	67.3,67.9
Chain Line: 3/32" Dished 17~22T		68.8,73.0	65.5,69.7
Indicators		MK3	
Weight		1.40kg	1.24kg

Tricycle & Quadcycle Internal Gear Hubs

Group		Tricycle			Quadcycle
Model Name		TS-RC3	TS-RB3	TS-RF3	QS-RC3
Model No.		IHT3CQBSSAA2	IHT3BQBMBA1	IHT3FQBSSAA1	IHQ3CQBLSA2
Speed		3-Speed	3-Speed	3-Speed	3-Speed + Reverse
Type		Coaster Brake	Band / Servo Brake	Freewheel	Coaster Brake
Hub Shell Material		6061 Aluminum	6061 Aluminum	6061 Aluminum	6061 Aluminum
Gear Ratio	Overall Range	177%	177%	177%	177%
	1	(-) 25.0%	(-) 25.0%	(-) 25.0%	(-) 25.0%
	2	Direct Drive	Direct Drive	Direct Drive	Direct Drive
	3	(+) 33.3%	(+) 33.3%	(+) 33.3%	(+) 33.3%
Axle Diameter		13/32" Slotted	3/8" Slotted	13/32" Slotted	13/32" Slotted
Axle Length		163.2mm	175.0mm	162.7mm	175.0mm
Over Locknut Dimension		116.3mm	113.2mm	117.2mm	126.0mm
R: Axle Protrusion Length		25.9mm	30.2mm	21.5mm	30.4mm
L: Axle Protrusion Length		21mm	31.6mm	24mm	19.2mm
Flange Width		53.4mm	53.4mm	53.4mm	53.4mm
Flange Sprocket Teeth		22T	22T	22T	22T
Flange Sprocket C.L.		27.8mm	29.7mm	30.1mm	33.4mm
Sprocket Teeth		21 22T	21~22T	21~22T	21~22T
Sprocket Chain Line		45.7mm	44.4mm	44.9mm	47.2mm
Indicators		MK4	MK5	MK3	MK5
Weight		1.36kg	1.01kg	1.10kg	1.80kg

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Specifications



Drum Brake Hubs

Group	Front Drum Brake Hubs		
Model Name	X-FD	BF	SBF
Model No.	THSXDFBSSAA1	THSLBFBSSAA4	THSSBFBSSAA0
Type	70mm Drum Brake	90mm Drum Brake	70mm Drum Brake
Hub Shell Material	A356 Aluminum	Steel	Steel
Bearing Type	Sealed Cartridge	Loose Ball	Loose Ball
Hub Axle Diameter	9.0mm	3/8" (26TPI)	3/8" (26TPI)
Hub Axle Length	136.0mm	136.0mm	136.0mm
Over Locknut Dimension	100.0mm	100.0mm	100.0mm
Spoke Holes	36H	36H	36H
Pitch Circle Diameter	89.8mm	102.5mm	83.0mm
Flange Width	55.8mm	57.4mm	53.2mm
Spoke Compatibility	13G, 14G	14G	14G
Finish	Natural Alloy	Painted Silver	Painted Silver
Weight	0.77kg	1.02kg	0.88kg

Group	Rear Drum Brake Hubs			
Model Name	X-RD		X-RDC	
Model No.	THSXDRBSSAA0	THSXDRBSSAA0	THSXDCBQSA0	THSXDCBSSAA0
Type	70mm Drum Brake	70mm Drum Brake	70 mm Drum Brake	70mm Drum Brake
Usage	1-Speed Freewheel	7-Speed Freewheel	9/8-Speed Cassette	
Hub Shell Material	A356 Aluminum	A356 Aluminum	A356 Aluminum	A356 Aluminum
Bearing Type	Sealed Cartridge	Sealed Cartridge	Sealed Cartridge	Sealed Cartridge
Axle Type	Nutted	Nutted	Quick-Release	Nutted
Axle Diameter	9.0mm	9.0mm	10.0mm	9.0mm
Axle Length	183.0mm	183.0mm	145.0mm	175.0mm
Over Locknut Dimension	135.6mm	135.6mm	135.0mm	135.0mm
R: Axle Protrusion Length	30.6mm	23.7mm	5.0mm	20.0mm
L: Axle Protrusion Length	16.8mm	23.7mm	5.0mm	20.0mm
D-Dimension	30.9mm	38.0mm	41.0mm	41.0mm
Spoke Holes	36H	36H	36H	36H
Pitch Circle Diameter	89.8mm	89.8mm	89.8mm	89.8mm
Flange Width	55.8mm	55.8mm	60.3mm	60.3mm
Spoke Compatibility	13G, 14G	13G, 14G	13G, 14G	13G, 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	0.80kg	0.80kg	0.95kg	0.95kg

Specifications



Drum Brake Hub H Series

Group	X-FD (H)		X-FD (H)		X-FD (H)	
Model No.	THH50LB0SAA0	THH50RB0SAA0	THH50LBSSAA0	THH50RBSSAA0	THH60LBQSAA0	THH60RBQSAA0
Type	70mm Drum Brake	70 mm Drum Brake	70mm Drum Brake	70 mm Drum Brake	70mm Drum Brake	70mm Drum Brake
Axle Type	None		12mm Solid Nutted		12mm Quick-Release	
Side	Left	Right	Left	Right	Left	Right
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge		Sealed Cartridge		Sealed Cartridge	
Spoke Holes	36H		36H		36H	
Pitch Circle Diameter	89.8mm		89.8mm		89.8mm	
Flange Width	54.3mm		54.3mm		54.3mm	
Spoke Compatibility	13G, 14G		13G, 14G		13G, 14G	
Finish	Natural Alloy		Natural Alloy		Natural Alloy	
Weight	0.62kg		0.74kg		0.72kg	

H Series Axles

Group	X-FD (H)	
Model No.	HSL881	HSL819
Type	Solid	Quick Release
Axle Diameter	12mm	12mm
Axle Length	135mm	135mm

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Specifications

Front Chainwheels



Group	SS		S70					
Model No.	FCSS1	FCSS2	FCS74	FCS73	FCS72	FCS71	FCS70	FCS7S
Number of Teeth	54T	56T	44T	44T	44T	42T	42T	42T
Chainring Material	A5 Aluminum		A5 Aluminum	SS400	SS400	SS400	SS400	SS400
Removable Chainrings	○		○	○	○	○	○	×
Crank Style	Polished 5-Arm Spider		4-Arm Spider A-Crank					I-Crank
Crank Arms	6061 Aluminum		A356 Aluminum					A356 Aluminum
Crank Arm Length	170mm		175mm / 170mm					175mm / 170mm
Chainring Bolts & Nuts	SCM435 Chromoly		Dacromet SCM435 Chromoly					×
Bolt Circle Diameter	130mm		104mm					×
Chainguard Outer	A5 Aluminum		A8 Aluminum	A8 Aluminum	Steel	A8 Aluminum	Steel	Steel
Chainguard Inner	A5 Aluminum	×	Steel	Steel	Steel	Steel	Steel	×
45mm Chain Line (BB Shell)	108mm		110mm	110mm	110mm	110mm	110mm	113mm
Weight (Right)	425g (175mm)	435g (175mm)	400g (175mm)	510g (175mm)	610g (175mm)	505g (175mm)	595g (175mm)	680g (175mm)
Weight (Left)	205g (175mm)	205g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	210g (175mm)	205g (175mm)
Total Weight	630g (175mm)	640g (175mm)	610g (175mm)	720g (175mm)	820g (175mm)	715g (175mm)	805g (175mm)	885g (175mm)

Group	S80		S50			S30		
Model No.	FCS81	FCS80	FCS52	FCS51	FCS50	FCS32	FCS31	FCS30
Number of Teeth	33T	30T	38T	36T	33T	38T	36T	33T
Chainring Material	SS400	SS400	SS400	SS400	SS400	SS400	SS400	SS400
Crank Style	I-Crank		I-Crank			A-Crank		
Crank Arms	A356 Aluminum		A356 Aluminum			A356 Aluminum		
Crank Arm Length	175mm/ 170mm		175mm / 170mm			175/170/165/160/152mm		
Spider Diameter	92mm		92mm			92mm		
Chain Guard Option	×	×	○	×	×	○	×	×
45mm Chain Line (BB Shell)	122mm		122mm			122mm		
Weight (Right)	451g (175mm)	430g (175mm)	445g (175mm)	431g (175mm)	410g (175mm)	410g (175mm)	396g (175mm)	375g (175mm)
Weight (Left)	240g (175mm)	240g (175mm)	240g (175mm)	240g (175mm)	240g (175mm)	215g (175mm)	215g (175mm)	215g (175mm)
Total Weight	691g (175mm)	670g (175mm)	685g (175mm)	671g (175mm)	650g (175mm)	625g (175mm)	611g (175mm)	590g (175mm)

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