

Hubsmith wheelset with high rigidity and unhindered riding experience is the best choice from most of wheel brands to upgrade your racing bike. Hubsmith R&D team brings up Hubsmith cycle hubs and cycle wheels' excellent performance from innovative ideas and high-quality insistence. Every cyclist can feel Hubsmith's brand spirit in the riding.

Alloy Wheelsets

[16"]

HS-Bumbee A349 2SP [Brompton Spec] / 16.17

HS-Bumbee A349 3SP [Brompton Spec] / 18.19

[18"]

HS-Mantis A355 [Birdy Spec] / 20.21

HS-Locust A355 [Birdy Spec] / 22.23

[20"]

HS-Mantis A406 [Birdy Spec] / 24.25

HS-Mantis A406 / 26.27

HS-Locust A406 [Birdy Spec] / 28.29

HS-Locust A406/30.31

[22"]

HS-Mantis A451 [Reach Spec] / 32.33

HS-Mantis A451 / 34.35

HS-Locust A451 / 36.37

Carbon Wheelsets

[18"]

HS-Humbird CS355 [Birdy Spec] / 44.45 [CERAMICSPEED LIMITED EDITION]

[20"]

HS-Humbird CS406 [Birdy Spec] / 46.47 [CERAMICSPEED LIMITED EDITION]

[18"]

HS-Humbird C355 [Birdy Spec] / 50.51

[20"]

HS-Humbird C406 [Birdy Spec] / 52.53

Hubsmith transplanted the rigorous specifications of the road wheel set to the small-diameter wheel set, which included a number of tests, such as: running test, vibration test and impact test.

hubsmith

Aluminum rim wheels are produced in nearly 20 processes from the forming of raw materials to the butt welding. Butt welding technology compared with Sleeve and Pin joints, butt welding frame lifting rim has high durability and high strength and rigidity.

Hubsmith carbon fiber wheels. That the lightweight carbon fiber interlaminates 3K and UD attributes gives the rider the most direct road cycling feedback.

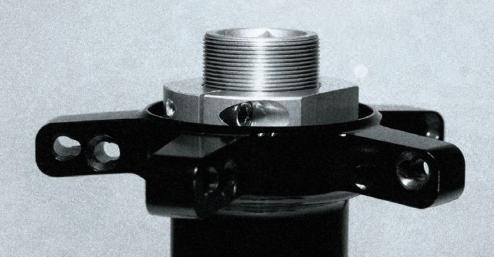




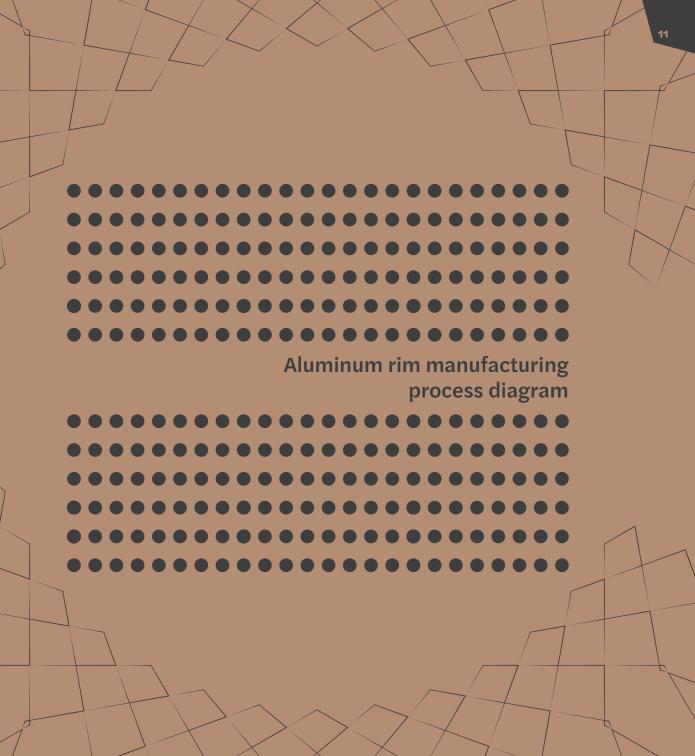
The rear hub from Hubsmith alloy mini wheel set has "One Way Adjustable-Gap System" inside the non-driving side of the hub.

There will occur bearing displacement after a wheel set has been running a certain of time. "One Way Adjustable- Gap System" can adjust the bearings back to their place and reduce the gap by rotating the adjustable ring inward to push the bearings in place by hand and with one 2.5mm screw driver to loosen and lock the adjustable ring up. This concept of design has won the Taipei Cycle d&i award by iF in 2014.

One Way Adjustable-Gap System: (Applicable models are only for HS-MANTIS ` HS-Locust series)



ONE WAY
ADJUSTABLE-GAP
SYSTEM





Butt Welding The alloy rim of Hubsmith wheel is built by high-end butt welding technology to largely enhance the stiffness of the wheels.



Special Drilling Angle

To drill the holes with proper angles in precise calculation for mini wheels can optimize the spokes to be built in straight lines.



One Way Adjustable-Gap System



Precision bearings

One way gap adjustment ring can be easily operated with one 2.5mm screwdriver in order to push the shifting bearing and reduce the gap to lengthen the lifetime of bearings.

Precision bearings provide riders with a smoother road cruise.



Sand-Blasting

Mini alloy wheel sets will have been through sand-blastsurface treatment to enhance the brakeage of the brake.

Heat treatment to alloy rim makes the hardness of

material more rigid.



Hand-Built Wheels Using precise measuring equipment and specialized tool, our technicians adjust and correct lateral and radial deviation and center the rim.



Heat-Treatment



HS // MANTIS/LOGUST 355/406/451 // ANY // AN







HS-BUMBEE A349 / 2SP

ALUMINIUM RIM

BROMPTON SPEC

Wheels Size	16"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	30mm
Inner Width	19mm
Outer Width	24mm
Fork Width	OD. ø8*74mm
Frame Width	Thru-10*112mm-154L
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 2SP
Quick Release	(F) Cinch Release (CR-MO Axle) (R) Cinch Nuts
Weight	(F) 444±20g / (R) 598±20g (excluding skewers and rim tape)



















HS-BUMBEE A349 / 3SP

ALUMINIUM RIM

BROMPTON SPEC

Wheels Size	16"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	30mm
Inner Width	19mm
Outer Width	24mm
Fork Width	OD. ø8*74mm
Frame Width	Thru-10*112mm-154L
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 3SP
Quick Release	(F): Cinch Release(CR-MO Axle) (R): Cinch Nuts
Weight	(F) 443±20g / (R) 589±20g (excluding skewers and rim tape)



















HS-MANTIS A355

ALUMINIUM RIM

Wheels Size	18"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 521±20g / (R) 619±20g (excluding skewers and rim tape)



















HS-LOCUST A355

ALUMINIUM RIM

Wheels Size	18"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 511±20g / (R) 613±20g (excluding skewers and rim tape)



















HS-MANTIS A406 ALUMINIUM RIM

Wheels Size	20"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 580±20g / (R) 687±20g (excluding skewers and rim tape)















HS-MANTIS A406

ALUMINIUM RIM







Wheels Size	20"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 593±20g / (R) 687±20g (excluding skewers and rim tape)





















HS-LOCUST A406

ALUMINIUM RIM

Wheels Size	20"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 564±20g / (R) 668±20g (excluding skewers and rim tape)















HS-LOCUST A406

ALUMINIUM RIM





Wheels Size	20"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*100mm
Frame Width	ø5*130mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 571±20g / (R) 667±20g (excluding skewers and rim tape)



















HS-MANTIS A451 ALUMINIUM RIM

REACH SPEC

Wheels Size	22"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø15*100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XD with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 618±20g /(R) 718±20g (excluding skewers and rim tape)

**excluding skewers for front wheel.



















HS-MANTIS A451 ALUMINIUM RIM

Wheels Size	22"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 621±20g / (R) 718±20g (excluding skewers and rim tape)















HS-LOCUST A451

ALUMINIUM RIM







Wheels Size	22"
Material	Weld Aluminum
Rim Type	Clincher
Brake Interface	Rim Brake
Rim Depth	34mm
Inner Width	16mm
Outer Width	21mm
Fork Width	ø5*100mm
Frame Width	ø5*130mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (CR-MO Axle)
Weight	(F) 606±20g / (R) 699±20g (excluding skewers and rim tape)















ceramicspeed

CeramicSpeed Bearing

The ceramic bearings version of NEW Hubsmith wheel sets adopts the brand, CeramicSpeed high end ceramic bearings from Denmark. Data shows that CeramicSpeed ceramic bearings have excellent abrasion resistance and extremely smooth riding experience. (Applicable models are only for HS-Humbird CS355 (CeramicSpeed Limited Edition), HS-Humbird CS406 (CeramicSpeed Limited Edition))



UD Light Carbon Fiber



3K Light Carbon Fiber UD Carbon-fiber Rim.

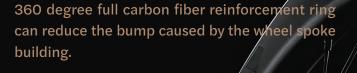
3K Carbon-fiber Rim.



Nano-Elastomer Resin Compound (N.E.R) Using nano-elastomers within the carbon structure, the carbon's surface area is less affected by fracturing caused by impacts. The nano-elastomers provide an ultra-high toughness to block cracking and withhold the resin from separating from the carbon fiber.



360° carbon fiber rim reinforced ring





Particular Spokehole Patching



Hand-Built Wheels



Special Drilling Angle



Precision bearings

Differing from old-style precast rings, Hubsmith carbon clincher rim obtains particular spoke reinforcement with isotropic design works to transfer spoke tension away from the spoke hole to the rim body. This design not only decreases spoke tension and spoke fatigue, but provides an overall lighter weight rim.

Using precise measuring equipment and specialized tool, our technicians adjust and correct lateral and radial deviation and tenter

To drill the holes with proper angles in precise calculation for mini wheels can optimize the spokes to be built in straight lines.

Precise calculation to drill the hole with proper angle especially for small wheels, which is optimized to straighten the spoke line.

ceramicspeed



HS-Humbird CS355 HS-Humbird CS406 [CERAMICSPEED LIMITED EDITION]







HS-HUMBIRD CS355

3K CARBON RIM

45

CERAMICSPEED LIMITED EDITION	
Wheels Size	18"
Material	3K Carbon Rim
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	38mm
Inner Width	18mm
Outer Width	25mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (Titanium Axle)
Weight	(F) 511±20g / (R) 608±20g (excluding skewers and rim tape)















HS-HUMBIRD CS406

3K CARBON RIM

CERAMICSPEED LIMITED EDITION		
Wheels Size	20"	
Material	3K Carbon Rim	
Rim Type	Clincher	
Brake Interface	Disc Brake	
Rim Depth	38mm	
Inner Width	18mm	
Outer Width	25mm	
Fork Width	ø5*74mm-100mm	
Frame Width	ø5*135mm	
Spoke Count	20H	
Max Tire Pressure	110psi	
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body	
Quick Release	Cinch Release (Titanium Axle)	
Weight	(F) 554±20g / (R) 653±20g (excluding skewers and rim tape)	

















HS-HUMBIRD C355

UD CARBON RIM

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Wheels Size	18"
Material	UD Carbon Rim
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	38mm
Inner Width	18mm
Outer Width	25mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (Titanium Axle)
Weight	(F) 523±20g / (R) 637±20g (excluding skewers and rim tape)















HS-HUMBIRD C406

UD CARBON RIM

Wheels Size	20"
Material	UD Carbon Rim
Rim Type	Clincher
Brake Interface	Disc Brake
Rim Depth	38mm
Inner Width	18mm
Outer Width	25mm
Fork Width	ø5*74mm-100mm
Frame Width	ø5*135mm
Spoke Count	20H
Max Tire Pressure	110psi
Freehub Body Compatible	Shimano 11SP (to 8.9.10SP with spacer), convertible to Sram XDR with optional driver body
Quick Release	Cinch Release (Titanium Axle)
Weight	(F) 559±20g / (R) 683±20g (excluding skewers and rim tape)















HS-CR007 CR-MO Axle (F) 29g CR-MO Axle (R) 34g Titanium Axle (F) 19g Titanium Axle (R) 22g

Patented Hub Cinch or Cinch Release (antiloosening devices) for Hubsmith Mini Wheels:

Hubsmith mini wheels are all fitted with this anti-loosening device, Hub Cinch or Cinch Release. Each cinch nut on Hub Cinch or Cinch Release has a small screw to double secure and fasten up the wheels on the bike forks. Hub Cinch and Cinch Release are lighter than the traditional quick release.



