

Hi-E Front Hubs

All Hi-E hubs are aircraft quality design and materials. Bearings are ABEC-1. Flanges are either 2024T4 or 7075T6. The large radius in spoke holes and thick flanges contribute to a long life for hubs and spokes.

Front hubs come in 3 different size axels of 1/4, 3/8 and 1/2 inch OD.

Time Trial Front

H4F

1/4" D Axle



Steel Quick-Release Std, Al optional

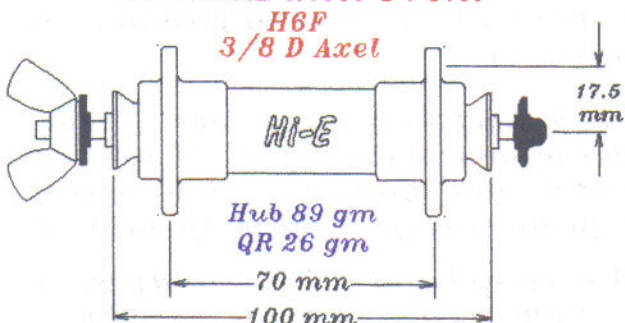
Almost the lightest hub made but rugged for its weight. Use for time-trialing, racing or touring.

For the greatest safety and longest hub life use Hi-E Quick-Release. They are designed to keep the wheel in the frame (even in an accident) and they are designed to limit the amount of squeeze you can put on the hub. Too much squeeze ruins the bearings.

BreadnButter Front

H6F

3/8 D Axle



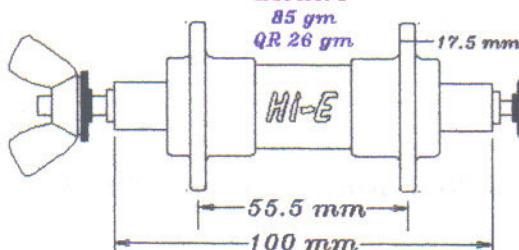
Light, neat & rugged for time-trialing, racing, mtn bikes or touring.

Aerodynamic Front Hub

H6FAero

85 gm

QR 26 gm

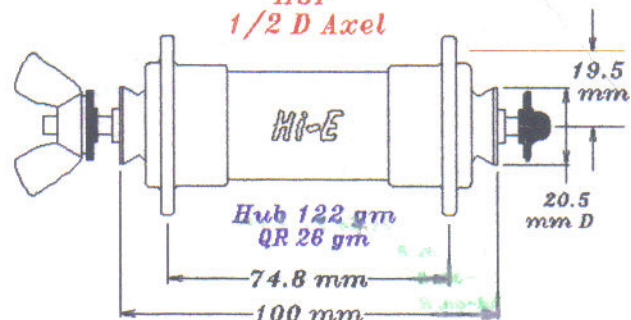


Hi-E Front Hubs

Heavy Duty Suspension Hub

H8F

1/2 D Axle

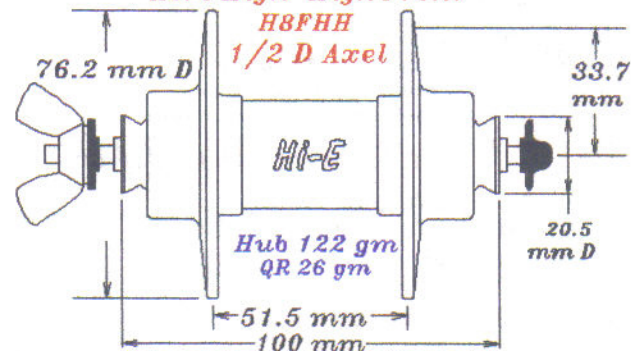


The toughest front hub for mtn bikes with suspension forks and heavy-duty enough for tandems.

Aero High-High Front

H8FHH

1/2 D Axle



Hi-E hubs are made without threads. They have two spacers of the same length. The inner spacer separates the inner races of the bearings and clamp-up of the QR holds it together. The flanges are pressed against the outer races so the spokes hold the outer assembly together. This system makes the strongest and smoothest assembly possible and cannot be achieved with one piece outer shells.

Some Hi-E hubs have been going for over 20 years. Damage that can shorten the life of a hub comes from:

1. Too much squeeze on the inner spacer. Use the Hi-E QR to limit the squeeze.
 2. Water damage-bearings rust. The bearings have a neoprene seal that rotates in a groove in the inner race. Outside of the neoprene seal and very close to it, Hi-E provides an Al seal we call a "Capillary Seal". With grease between the two seals, water is repelled by capillary repulsion.
- Fatigue: Overload and repeated load reversals pulls at the electrons that holds metal together in tension.
- Hi-E hubs are not gaurenteed against overload but they are gaurenteed against faulty workmanship.

Front Hubs by Hi-E

H4F, Time-Trial	1/4 inch diameter Axel	\$46.00
H6F, Brd n Btr	3/8 inch diameter Axel	46.00
H6FAero, Rd & TT	32, 28 & 24 are standard are closer together	46.00
H8F, Heavy Duty	1/2 inch diameter Axel	46.00
H8FHH, Aero High-Front	for Suspension & Tandems	55.66

Recommend DT Revolution laced 1x all out to in.

Rear Hubs by Hi-E

H8HH730 Thd-on, High-High, 7 spd, 130mm	\$56.27
H8HLU730 Thd on, Hi Lo, 7 spd, 130mm, Unsym	52.27
H8HLU735 Thd-on, Hi-Hi, 7 spd, 135mm, Unsym	53.27
H8HH735 Thd-on, Hi-Hi, 7 spd, 135mm	58.27
H8U835 Thd-on, 8 spd w 32 Al sprbl, Unsym	99.67
H8RTrk Thd-on, Hi-Hi, Truck w Lock-ring	\$58.56

Cassette Hubs Hyperglide Compatible

H68HH830 3/8 & 1/2 axel, Hi-Hi, 8 spd, 130mm	\$198.00
H68HL830 3/8 & 1/2 axel, Hi-Lo, 8 spd, 130mm	190.00
H68U830 Same but Unsymmetric hole pattern	190.00
H8CHH830 1/2" D Axel, Hi-Hi, 8 spd, 130mm	\$220.00
H8CU830 1/2 Axel, Hi-Lo, 8 spd, 130mm Unsym	212.00
H8CHH835 1/2 Axel, Hi-Hi, 8 Spd, 135mm	220.00
H8CHL835 1/2 Axel, Hi-Lo, 8 spd, 135mm	212.00
H8CU835 1/2 Axel, Hi-Lo, 8 spd, 135mm, Unsym	212.00

Quick Release by Hi-E

QS, Quick-Release, Steel	\$7.94
QA, Quick-Release, Al (2024T3)	7.94
QTool, Spotface Tool	5.23

Spokes by DT

SpkTBSS, DT Revolution 2.0/1.5	\$.40
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Spoke Nipples

SNA14DT, 14 ga Al Alloy by DT	.06
SNA14, 14 ga Al Alloy by Hi-E	.15
SNA15, 15 ga Al Alloy by Hi-E	.10
SNW, Nipple Wrench for Hi-E	\$2.94

(Specify short or long)
Hi-E nipples are 7/32 hex, 1/4" long

Rims by Sun Hard-coat anodized Black or Sil Polished.

36, 32, 30, 28 & 24 are standard drillings
\$4.50 extra for other drillings.

Road 700C or 26":

R1RT, Mistral M19II Tubular	\$17.10
R1RC, Mistral M14A Clincher	18.90

Mtn: R1M, Mistral M14A	16.20
R2M, Chinook CR16II	11.16

Rim by Hi-E 32, 30 & 28 Polished Tubular, 270gm \$50.00

Whl Truing: F \$16, R \$20

We also have many other rims by Mavic, Velocity, Robergel & others.
A large assortment of spokes are also available including Ti bladed.
Rims and spokes are at bargain prices because the inventory is not complete as to sizes, drillings etc.

Spacers for sprockets, Delrin, 2.9mm...\$1.10

Hi-E

1247 School Lane
Nashville, TN 37217

Phone/Fax: (615) 254-6858

All Hi-E hubs are aircraft quality design & materials.
The large radius in spoke holes and thick flanges make spokes and hubs last longer.

Wholesale

Price List

Effective 1 Jun 98

Terms: Either payment in advance or C.O.D.. Add \$6.00 for freight & handling to orders over 4 oz. Add \$4.00 to orders less than 4 oz. Add \$5.00 for C.O.D. less than \$100 and .30 for each additional \$100.

Orders by air, outside continental U.S. or other than U.P.S. require extra charges. No C.O.D. returns will be accepted nor will Hi-E pay incoming freight. Unused and undamaged merchandise may be returned within 10 days for a full refund not including freight. Canadian orders add an extra \$5.00 and send payment in advance.

Orders by Mail:

Send check or money order with order to save phone and C.O.D expense but do not send coins in an envelope or money to the shop address.

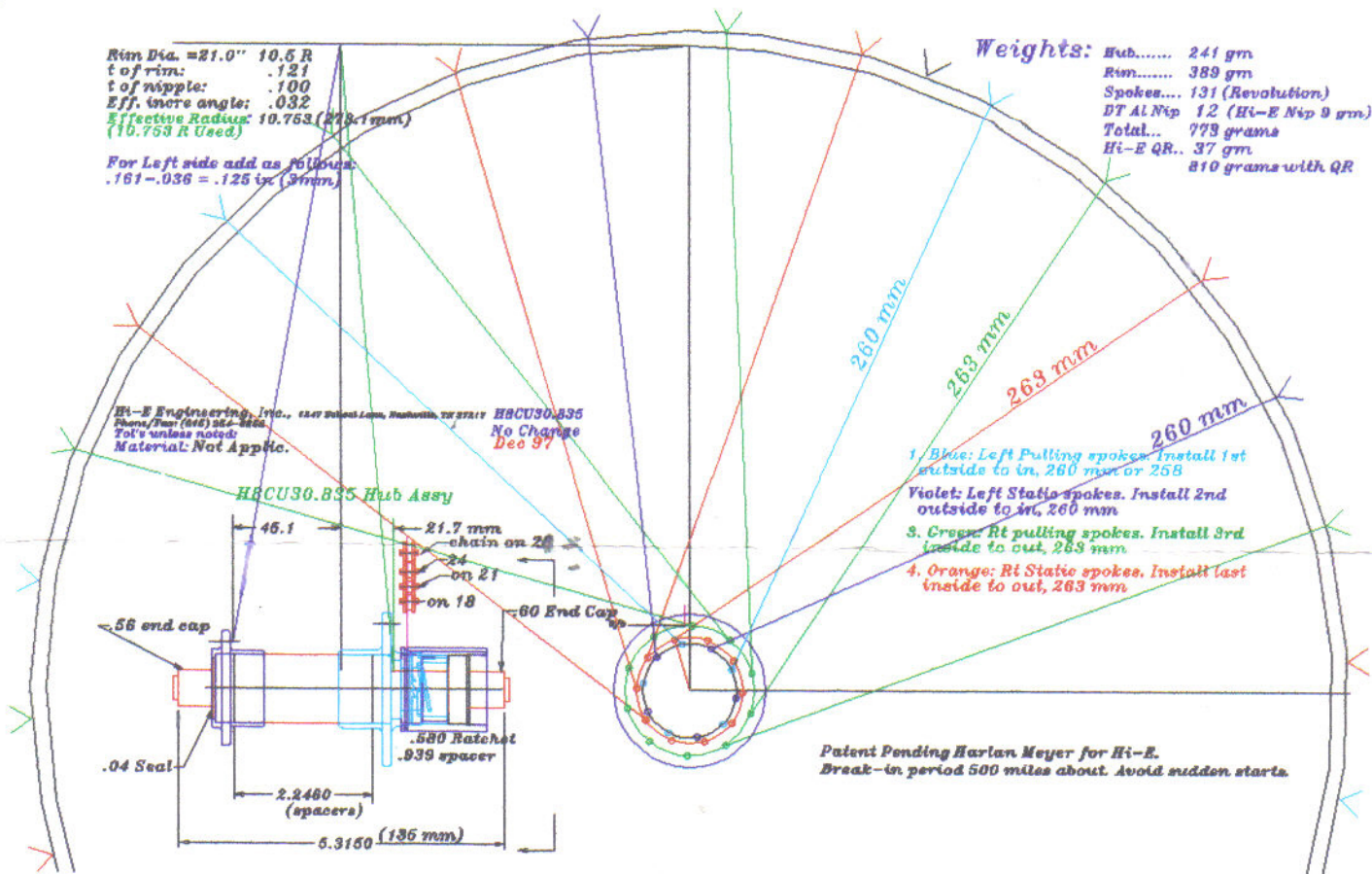
Our shop (and U.P.S.) address is:
2420 Cruzen, Nashville, TN 37211

Hi-E



1 inch = 25.4 mm, 1 ounce = 28.35 g

Wheels, Wheel-Kits & all the parts for them



The Lightest Mtn Bike Wheels

Efficiency: Output divided by input. Whenever a change is made, if efficiency is not increased, you don't get more for your money, you just get something different. Why 30 spokes for the rear? As the number of sprockets has increased, the spokes on the right have approached the CL and become overloaded compared to the left side. The very steep "dish" of modern wheels makes initial tension of the right side much higher than the left and since the right side is the stiffest load path for torsion, the right spokes are stressed very high and the left spokes are not even taut. By using twice as many spokes on the right as on the left, the initial tension of spokes can become equal if we make the left side twice as far from the CL. In order to do this, the total number must be divisible by 3. In order to miss the valve hole, the number must be divisible by 2. 36 spokes is too many these days and 24 is not enough for safety so out pops the number 30. 30 spokes in the rear increases the efficiency so we can make it lighter while maintaining or increasing the strength.

Hi-E

The Lightest Mtn Bike Wheels

Soon to be nationally advertized.

Front Wheel: Total Wt.: 616gm \$73.24

Hub w QR, Hi-E BreadnButter 115gm

Rim, Sun M14A, 24 holes 389gm

Spokes (Revolution) & Nip (Al) by DT 112gm

Rear Wheel: Total Wt.: 807gm \$242.00

Hub w QR, Hi-E H8U835 (1/2" axle) 276gm

Rim, Sun M14A, 30 holes (yes 30) 389gm

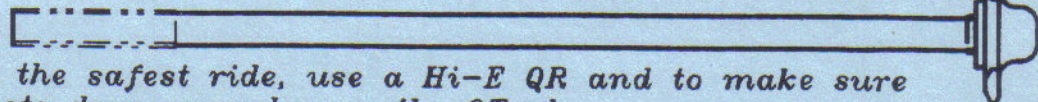
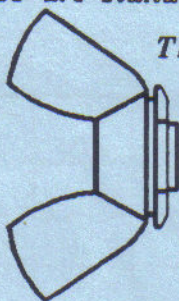
Spokes (Revolution) & Nip (Al) by DT 142gm

Wholesale Prices

Hi-E 1247 School Lane, Nash., TN 37217
Phone/Fax: (615) 254-6858

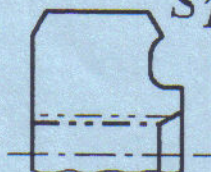
To minimize telephone calls & prevent mistakes, use the order-form as a check-list. In the upper left-hand corner, write your zip-code and fill in the rest including Fax# if available. After the # of sprockets, the # of teeth in the largest sprocket and the # in the Smallest. 130 & 135 are standard drop-out dimensions. We can provide others when necessary.

The **Hi-E** Quick-Release is designed to keep the front wheel in the fork even in a wreck when tangs bend.



For the safest ride, use a Hi-E QR and to make sure it sets deep enough, use the QTool.

Spot-face Tool



Hi-E



QTool

Section AA

Scale 4/1

Use with a Quick-Release Skewer to make a detent.

The Hi-E Quick-Release will just fit into the Detent on both sides.

File #: _____	Name: _____
Date: _____ 9 _____ Day	Address: _____
Phone: _____	City, St., & Zip: _____

Item	Part #	Description &/or Comments	# Spkts	# L	Tth S	Drop out	No. Hls	Co- lor	Qty	
1										
2										
3										
4										
5										
6										

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