

46er

**etility**<sup>®</sup>  
DESIGN

THE ORIGINAL

*benno*<sup>®</sup>

# 46er

## NOT ALL WHEELS ARE CREATED EQUAL.

The 46er is the same length as a regular bike. And that's where all similarities end. We ditched convention and added capability. Enough to make any cargo bike sweat. And gave it a sporty ride and front suspension. This unequal combination of ride and capability starts with unequal wheels. 26" in the front for extra comfort and control, and 24" in the back for strength and a lower center of gravity. All powered by the Bosch CX/Speed and a 500Wh intube battery. Born of true Etility® Design, the 46er is reshaping the future of the ebike. For Benno Bikes and the industry.



**Multifunction Utility Rack**  
fits single child seat or passenger, rails, pads, side loaders,  
large panniers and wheel guards (max load 130lbs/60kg)

**1000Wh DualBattery Option**  
500Wh integrated battery plus 500Wh battery  
pack option on seat tube

**Compatible with all Benno Front Trays**  
(sold separately)

**Front Suspension Fork**  
Suntour ebike rated  
75mm travel

**24" Rear Wheel** for  
strength and lower  
center of gravity

**Shimano Deore**  
10-speed drivetrain

**Benno Dual**  
Kickstand Compatible

**26" Front Wheel**  
for extra roll,  
comfort and  
control

**Thru Axles**  
front and rear

**Magura Hydraulic Disc Brakes**  
4 piston front/2 piston rear

**Same Length as a Regular Bike**  
1860mm long

46er








# LET'S TALK MOTORS

EPOWERED BY  **BOSCH**





## PERFORMANCE CX



TORQUE/POWER	 85Nm/250W
MAX SUPPORT LEVEL	 340%
	 20mph USA
MAX SPEED	 32km/h CAN/NZ
	 25km/h EU/AUS
BATTERY	500Wh/1000Wh DualBattery
ESTIMATED RANGE SINGLE BATTERY	30-80mi (50-130km)
ESTIMATED RANGE DUAL BATTERY	60-160mi (100-260km)

## PERFORMANCE SPEED



TORQUE/POWER	 85Nm/250W
MAX SUPPORT LEVEL	 340%
	 28mph USA
MAX SPEED	 45km/h NZ
BATTERY	500Wh/1000Wh DualBattery
ESTIMATED RANGE SINGLE BATTERY	25-75mi (40-120km)
ESTIMATED RANGE DUAL BATTERY	50-150mi (80-240km)



## THE ETILITY BIKE

A typical ebike offers a nice ride, but not much utility. A cargo ebike carries heavy loads, but can be difficult to maneuver. We believe what people really need is an everyday ebike engineered with the perfect blend of ride dynamics, cargo capacity and good looks. Awesome agility with the ability to carry exactly what you need. We call it Etility® Design and it's at the heart of every Benno ebike.

### RIDE

A great ride is the most essential ingredient. Because a bike that's more agile, stable and maneuverable is ultimately more enjoyable.

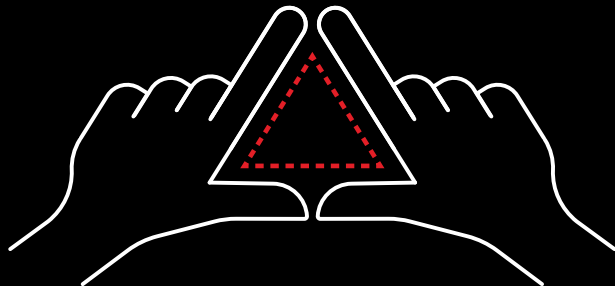
### LOOKS

Design that looks good is also about making sure you look and feel great riding a Benno—with and without cargo.

### CARGO

Etility design means you can easily carry more cargo when you want to without having to pedal and store more bike than you need to.

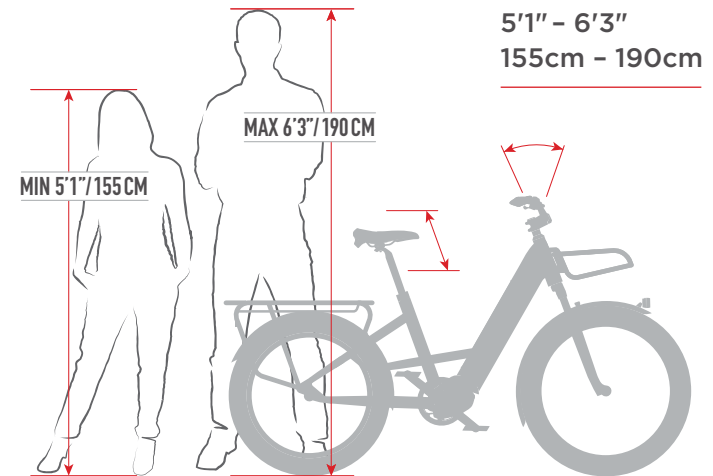
## THE PERFECT BLEND



**etility**  
DESIGN®

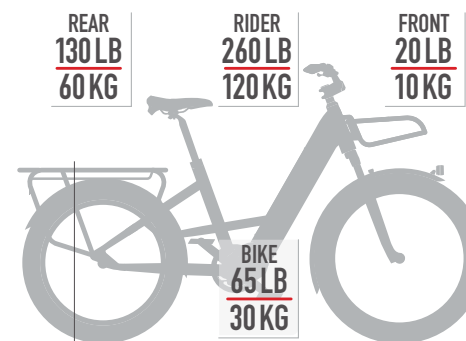
## 46ER INFO

### FITS WIDE RANGE OF RIDERS



### LOAD AND PASSENGERS

Max Gross Weight: 420lb/190kg (Rider + Cargo + Bike)



Be aware, when added together, the individual load ratings shown for the rider and cargo plus the actual weight of the bike will exceed max gross weight. Therefore, while you may maximize selected individual load ratings, the sum of all loads cannot exceed the max gross weight (rider + cargo + bike ≤ 420lb/190kg).

REAR PASSENGER OPTIONS:



MAX 130lb / 60kg

Correct passenger accessories must be installed properly in order to carry passengers. (See pages 10-12 "46er Setups")

# 46ER SETUPS

- Passenger Requirements
- Recommended Accessories
- Cargo Options
- \*Third Party Product

## COMMUTER SETUP



### ACCESSORIES REQUIRED

- 2x Utility Pannier Bag
- 1x Sport Front Tray
- 1x Dual Kickstand



## DOG SETUP



### ACCESSORIES REQUIRED

- 1x XXL Trunk Bag
- 1x High Rail
- 1x Rail Clamp PLUS Set
- 1x Utility Front Tray
- 1x Utility Front Tray Bag
- 1x Dual Kickstand

**WARNING:** Ensure pets are securely fastened. Never leave your pet unattended.



## CARGO SETUP



### ACCESSORIES REQUIRED

- 1x XXL Trunk Bag
- 1x High Rail
- 1x Rail Clamp PLUS Set
- 1x Utility Front Tray
- 1x Utility Front Tray Bag
- 1x Thule Trailer\*
- 1x Trailer Adapter (Thule)
- 1x Dual Kickstand



## FAMILY SETUP A



### ACCESSORIES REQUIRED

- 1x Dual Kickstand
- 1x Thule Yepp Maxi Seat\*
- 2x Ortlieb Bag\*
- 1x City Front Basket
- 1x High Rail
- 1x Rail Clamp PLUS Set
- 2x Rail Pad



● Passenger Requirements

● Recommended Accessories

● Cargo Options

*\*Third Party Product*

## FAMILY SETUP B



### ACCESSORIES REQUIRED

- 1x High Rail
- 1x Rail Clamp PLUS Set
- 2x Rail Pad
- 2x Rack Pad
- Wheel Guard Set OR 2x Utility Pannier Bag
- 1x Sideloader Set
- 1x Dual Kickstand
- 1x Utility Front Tray
- 1x Utility Front Tray Bag

2x Utility Pannier Bag

or

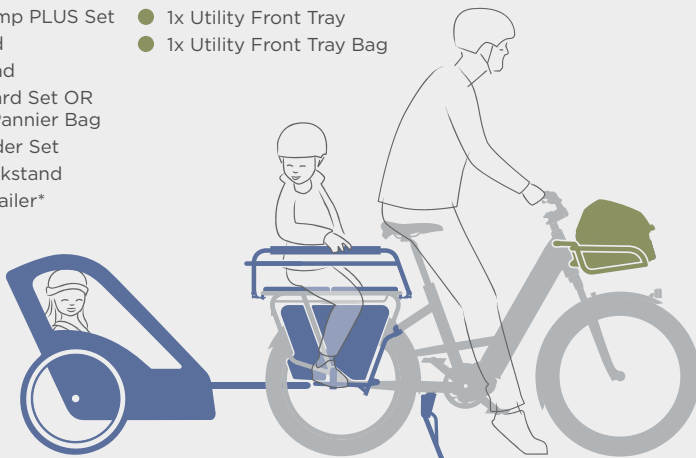


## FAMILY SETUP D



### ACCESSORIES REQUIRED

- 1x High Rail
- 1x Rail Clamp PLUS Set
- 2x Rail Pad
- 2x Rack Pad
- Wheel Guard Set OR 2x Utility Pannier Bag
- 1x Sideloader Set
- 1x Dual Kickstand
- 1x Thule Trailer\*
- 1x Trailer Adapter (Thule)
- 1x Utility Front Tray
- 1x Utility Front Tray Bag





## 46ER ACCESSORIES



**High Rail** (Boost EVO 1-3, 46er)  
55cm x 68cm x 20cm (W x L x H)  
A8007 · Black



*Max side load  
35lbs/15kg each side*

**46er Sideloader Set** (46er)  
A2003 · Black



**Rail Pad (1)**  
(Boost, 46er)  
A8011 · Black



**Rack Pad (Half-Size)**  
(Boost, 46er)  
18cm x 30cm (W x L)  
A8012 · Black



**Passenger Back Rest**  
(Boost, 46er)  
Fits Benno Passenger Rails  
A2024 · Black



**Half Rail** (Boost EVO 1-3, 46er)  
50cm x 68cm x 20cm (W x L x H)  
A8009 · Black



**Platform Rail** (Boost EVO 1-3, 46er)  
55cm x 68cm (W x L)  
A8008 · Black



*Max load 45lbs/20kg*

**Utility Front Tray**  
(Boost, 46er, eJoy, RemiDemi)  
46cm x 32cm x 14cm (W x L x H)  
A6011 · Black



*Max load 45lbs/20kg*

**Utility Front Tray**  
(Boost, 46er, eJoy, RemiDemi)  
46cm x 32cm x 14cm (W x L x H)  
A6012 · Red



*Max load 35lbs/15kg*

**Sport Front Tray**  
(Boost, 46er, eJoy, RemiDemi)  
31cm x 30cm x 8cm (W x L x H)  
A2002 · Black  
A2005 · Red



*Max load: 35lbs/15kg*

**City Front Basket**  
(Boost, 46er, eJoy, RemiDemi)  
41cm x 39cm x 17cm (W x L x H)  
A1001 · Black



**46er Poly Wheel Guard Set**  
(46er)  
A2006 · Black



**Leather Mudflaps**  
(Boost, 46er, eJoy, RemiDemi)  
A0008 · Black  
A0009 · Brown



**46er Dual Kickstand**  
(46er)  
A2012 · Black



**XL Side Kickstand**  
(Boost, 46er, eJoy, RemiDemi)  
S0047 · Black

*For Thule and other  
compatible trailers with  
axle mount hitch*



**Trailer Adapter  
Thru-Axle Mount**  
(Boost EVO 5, 46er)  
A2009 · Black

*Universal Mounting Clamps  
Fit all 19mm Ø Benno Racks,  
Rails, and Trays*



**P-Clamp Set**  
A0014 · Black



**Rail Clamp PLUS Set**  
(Boost EVO 4, 5, 46er)  
A0006 · Black



**Boost Quick Release  
Seat Clamp**  
(Boost EVO 4, 5, 46er)  
A1002 · Black



## 46ER ACCESSORIES

Volume: 30 liters (each)



**Utility Pannier Bag (1)**  
(Boost, 46er)

17-25cm x 55 x 42cm (W x L x H)  
A6014 · Black

Volume: 20 liters (each)



**City Pannier Bag (1)**  
(Boost, 46er, eJoy, RemiDemi)

10-15cm x 46 x 42cm (W x L x H)  
A9001 · Black

Volume: 170 liters



**XXL Trunk Bag**  
(Boost, 46er)

50cm x 59cm x 66cm (W x L x H)  
A9002 · Black

*Can be used with  
all High Rails and  
Platform Rails*

Volume: 40 liters



**Utility Front Tray Bag**  
(Boost, 46er, eJoy, RemiDemi)

29cm x 41cm x 53cm (W x L x H)  
A6015 · Black



**Dual Sport Tire**

P6001 · 24"x2.6" (Rear)  
P6000 · 26"x2.35" (Front)



**Knobby Dirt Tire**

P9004 · 24"x2.5" (Rear)  
P9010 · 26"x2.35" (Front)









**Studded Snow Tire**

P9005 · 24"x2.5" (Rear)  
P9008 · 26"x2.35" (Front)

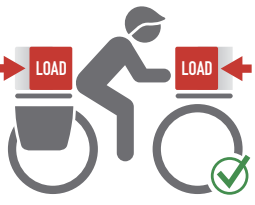
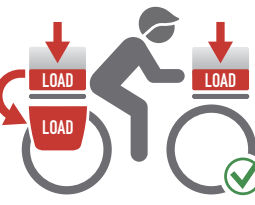
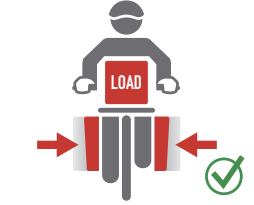


## READ BEFORE RIDING WITH PASSENGERS

 <p><b>ADULT RIDER 18+</b></p> <p>E-Bike <b>MUST</b> be operated by an ADULT when carrying passengers.</p>	 <p><b>PASSENGER SPEED LIMIT</b></p> <p>Do NOT exceed 16 mph/25 kmh when riding with passengers.</p>	 <p><b>CHILD SEAT REQUIRED</b></p> <p>Children under 40lb/18kg <b>MUST</b> be secured properly in a child seat.</p>
 <p><b>INSTALL PASSENGER PARTS</b></p> <p>Passenger accessories <b>MUST</b> be installed before carrying passengers.</p>	 <p><b>MUST WEAR</b></p> <p><b>WEAR HELMET &amp; SHOES</b></p> <p>Passengers <b>MUST</b> wear a bicycle helmet and enclosed shoes.</p>	 <p><b>HOLD HANDLEBAR FIRMLY</b></p> <p>Keep BOTH hands on handlebars while carrying load or passengers.</p>

			
<p><b>WARNING!</b> WHEN CARRYING PASSENGERS REAR WHEEL MUST BE COVERED! INSTALL BENNO WHEEL GUARDS OR UTILITY PANNIER BAGS. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY.</p>			

## READ BEFORE RIDING WITH LOAD

 <p><b>MOVE LOAD TO CENTER</b></p> <p>Move load/weight toward the center of the bike.</p>	 <p><b>MOVE LOAD DOWN</b></p> <p>Move load/weight down toward the ground. Use pannier bags.</p>	 <p><b>CENTER/BALANCE LOAD</b></p> <p>Center load/weight. Distribute equal weight on each side.</p>
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## IMPORTANT OPERATING INSTRUCTIONS! READ BEFORE RIDING

**WARNING! FAILURE TO COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS CAN LEAD TO SERIOUS INJURY OR DEATH.**

Read instructions below and the owner's manual before riding. If you don't have a Benno Owner's Manual, go to [www.bennobikes.com/support-main/om](http://www.bennobikes.com/support-main/om) to view and download the correct manual for your Benno Bike.

- This e-bike is not intended to be operated by children and/or minors.
- Ride within your limits relating to ability, terrain, weather, load and passengers.
- Always wear a certified bicycle helmet when riding.
- Always use front and rear lights when riding, particularly at dusk, dawn, and night.
- Never ride while impaired by alcohol or drugs or in any other compromised state.
- Adding load or passengers increases riding difficulty and e-bike stopping distance.
- Secure load firmly. Ensure that no parts of the load, body or clothing come near moving parts on the e-bike, such as chain, spokes, tires or brakes.
- Do not exceed individual load ratings and max gross weight as indicated on e-bike.
- Hold firmly onto the handlebars while riding with load or passengers.
- Check and maintain brakes to ensure they are in good working order.
- Ensure front and rear quick release axle levers are installed properly and secure.
- Maintain proper tire pressure as indicated on the tire sidewall.
- Use extra caution and reduced speed when riding on wet, icy or loose surfaces. E-Bike may lose traction easier especially during cornering or braking. Use appropriate tires for different conditions/terrain.
- Always obey all rules of the road and all local traffic laws.

### When riding with passengers:

- E-Bike must be rated to carry passengers. (See page 9 "Load and Passengers")
- E-Bike must be operated by an adult (18+) with good bicycling riding and handling skills when carrying passengers.
- Ride at a speed appropriate to the condition and your riding ability. Do not exceed 16mph/25kmh when riding with passengers. Higher speed means higher risk of losing control.
- Correct passenger accessories (including wheel guards) must be installed properly by a retail bicycle shop professional bike mechanic. (See pages 10-12 "46er Setups")
- Passengers must be able to hold themselves securely and safely on the e-bike.
- Children under 40lb/18kg must be secured properly in a compatible and correctly installed child seat.
- Passengers must wear a certified bicycle helmet and fully enclosed shoes.
- Always keep both hands on the handlebars to stabilize the e-bike while riding with passengers.
- Never leave your child/passenger unattended and always keep a firm hand on the e-bike when your child/passenger is on it. Do not rely on kickstand to keep the bike from falling over.

Local and state e-bike laws vary by jurisdiction so know the regulations governing e-bike use where you plan to ride.

## MANY BIKES IN ONE



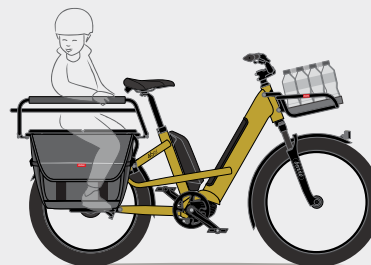
*Large panniers and a front tray make the perfect everyday bike.*



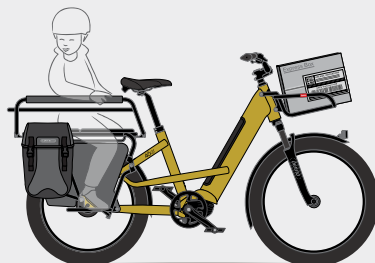
*Transport a small kid in a child seat and still fit pannier bags on the rear rack.*



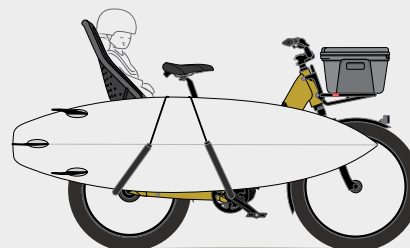
*Take your furry friend in the high volume XXL Trunk Bag.*



*Carry a kid comfortably on the rear rack*



*Fit an older kid on the back with plenty of room left for extra cargo.*



*Works great with seatpost mounted surfboard racks.*



*Load up with dual batteries and enough gear to tour the world or just explore your neighborhood.*

**etility**  
DESIGN®

[BENNOBIKES.COM](http://BENNOBIKES.COM)