

# YOUR *Pack*BERNDS

made in Germany

since 1991



BERNDS 

# Congratulations on your new *PackBERNDS*

## Dear Customer,

We have summarised for you the most important points about your *PackBERNDS*. Before your first ride, please take the time to read this data sheet.

If you are unable to find something or need further information, if you have any requests or suggestions, **contact us at [info@bernds.de](mailto:info@bernds.de)**!



## Your *PackBERNDS* – the specialist for cargo

The *PackBERNDS* is specially made for optimum transport even of **heavy loads**, up to a payload of 260 kg. To achieve this it has a **special steering geometry**, a **carry basket** with a low centre of gravity and a **longer wheelbase** compared with normal bikes.

First of all get acquainted with the behaviour of your new *PackBERNDS* on terrain you are familiar with, where there is as little traffic as possible. Practice riding round bends and correct braking.

As a rule you will only need a few minutes for this.

Do not carry heavy loads until you can safely manoeuvre your unladen *PackBERNDS*.

**The team at BERNDS wishes you pleasant cycling!**

## Adjusting your PackBERNDS

### Saddle height and angle

Loosen the Allen screw (no. 5 Allen key) at the top of the seat tube and adjust the saddle so that when the pedal is at the bottom of its travel, your leg is straight when your heel is standing on the pedal. Point the saddle straight forward. Even after folding and unfolding the seatpost, the saddle will still be in this position which is the right one for you!

### Handlebar height and angle

There are various sitting positions which are all equally ergonomic and appropriate depending on your riding style. Adjust the height and angle of the handlebars so that you adopt a comfortable position when seated. If this seems not to be possible, ask us: you can obtain from us many different handlebar shapes and stems with a variety of heights and lengths.

### Brake handle, bell

If need be, you can adapt the reach to suit your own hand size on all brake handles. To do this, read the enclosed operating instructions for the brakes. Adjust the bell so that you can reach it comfortably at any time. **If you have any questions, get in touch with your specialist dealer or with us. We will be happy to advise you.**

## Before every trip

- The handlebar stem and the seatpost must be securely tightened.
- All quick-release catches must be locked hand tight.
- If you are using folding pedals, these must be folded out and latched.
- Check the functioning of the brakes by rolling the bike forward and pulling on the brakes. The brake handles must move easily and take effect immediately.
- At twilight, always ride with the lights on and check before setting off that the lighting system is working.
  - With a bottle dynamo, click it into place and crank the rear wheel with the bike on the stand.
  - With a hub dynamo, the front and rear lights should come on as soon as the bike moves.
- Lift the bike a few centimetres and let it drop onto the ground. If you hear any rattling or unusual noises, check for the cause and rectify it: if necessary, tighten any bolts.
- Always ride with enough tyre pressure. The minimum and maximum pressures are marked on the sidewall of the tyres.
- Do not ride with worn tyres.

## How do you fold up your *PackBERNDS*?

- 1. Folding in the handlebars:** loosen the clip (no. 5 Allen key) on the handlebar stem, pull the handlebar unit upwards from the tube, and lay the handlebars in the carrying basket.
- 2. Swing the rear sub-frame inwards:** lift the *PackBERNDS* up by the saddle and stand on the rear sub-frame, so that the suspension unit comes loose from the catch. Swing the rear sub-frame inwards until the tyre is resting against the frame tube. Swing the rear sub-frame forwards until the rear wheel is resting against the frame tube.



- 3. Removing the seatpost:** loosen the quick-release lever on the seatpost and pull the seat tube upwards and out and stow it in the box or basket. Unfolding your Pack BERNDS folding tandem is done by reversing the sequence.

Unfolding your *PackBERNDS* is done by reversing the sequence.



## Important notes on safety!

- The handlebar stem and the upper seatpost should never be pulled out further than the safety mark which shows the maximum extension.
- The lower seatpost must be pushed right down while riding!
- Mounting sprung saddles or seatposts is not permitted!
- The maximum payload including two riders is 260 kg.
- Your *PackBERNDS* is suitable for riders between 1.40 and 2.10m tall. If your height or weight exceed the stated maximum, please get in touch with us.
- Carry luggage only in the bags and baskets intended for the purpose which are correctly fastened and only up to their stated maximum weight. Our accessory range includes a wide selection of individual solutions.
- Children may only be transported on an approved and correctly mounted child seat.
- Follow the applicable national regulations! In Germany *BERNDS-Gretel* only complies with the traffic regulations when provided with an approved lighting system which is available as an accessory.
- Manipulating the forks and frame, such as engraving registration numbers, may lead to fracturing the frame and is not permitted.
- Always secure loads so that they cannot slip and fall off!
- PEOPLE are NOT permitted to be carried in the cargo basket or box!

## Maintenance and inspection

After roughly the **first 200 km**, your **PackBERNDS** should have its first inspection made by a bicycle mechanic, during which the following points in particular should be observed:

- The spokes on the road wheels settle into place; for this reason they should be checked and the wheels centred again if necessary.
- We build in high-quality bolts and fixings. Nevertheless, all bolts should be checked to see they are sitting firm.
- Bowden cables tend to stretch so gears and brake settings should be checked.

We should point out that many components on a bicycle are **subject to wear and tear** and so must be **regularly serviced or replaced**. These include tyres, brake pads, brake cables, chainwheels and sprockets, wheel rims, handgrips, the saddle, the bearings on wheels, the bottom bracket and the carrying basket or box made of natural material. Depending on use, these parts must be serviced at regular intervals and replaced when they reach their individual limit of wear.

**Consequently, BERNDS recommends making a regular inspection every 2 000 km, and at least once a year.**

## Instructions for care

- Make sure that the folding seatpost is lubricated and free of dirt. It must be easy to pull out and push in again.
- Frame and attachments: Remove dirt with a soft, damp cloth. Do not use detergents containing solvents or abrasive cleaning products such as scouring powder or steel wool.
- Take care of the chain by cleaning it regularly with a commercial cleaning product and then apply chain lubricant.
- Do not use a high-pressure cleaner under any circumstances!
- **Another note:** the carrying basket on the **PackBERNDS** is made of willow. The colour and the surface finish of this natural product vary naturally during the manufacturing process and undergo changes later during use. This is not a defect, it is in fact a patina which, as in the case of leather for instance, is part of a natural, high-quality product. All the same, please do not leave the basket standing for long periods out in the rain.

## Warranty

BERNDS gives a **lifetime warranty** on the **frame**. This applies to the **registered first owner** and on the condition that regular inspections are carried out by a dealer as per the attached maintenance booklet.

**On all other parts** BERNDS gives a warranty as stipulated by legislation for a period of **two years** from the date of purchase. Damage due to natural wear and tear is excluded.

Mounting non-OEM parts, not specified by **BERNDS**, as well as repairs which are faulty, incomplete or not professionally carried out shall extinguish all claims under warranty.

**BERNDS** is not liable for incorrect use, e.g.: overloading, jumps, use in competitions, intentional behaviour and the consequences thereof which is in contravention of the law or of traffic regulations.

We recommend having **repairs and regular inspections** done by a **specialist dealer approved by BERNDS**.

## Supplementary operating instructions

The following parts have their own operating instructions which you will receive separately at the time of purchase:

- Gears:**
- 8-gear derailleur
  - 8-gear hub
  - 3x8-gear DualDrive
  - 14-gear hub

**Manufacturer/Type** \_\_\_\_\_

- Brakes:**
- V-Brake
  - HS33
  - disc brakes

**Manufacturer/Type** \_\_\_\_\_

- Lighting system:**
- bottle dynamo
  - Shimano hub dynamo
  - SON

**Manufacturer/Type** \_\_\_\_\_

## Your PackBERNDSat a glance

### Steel frame made in our own factory\*

**Dimensions when folded (all models)** 175x100x70cm

**Rider height** from 140cm up to 210cm

**Step through height** 35cm

**Rear sub-frame length** 40cm

**Top tube length** 50cm

**Overall length** 219cm      **Payload** rider+box per 130kg

**Wheelbase** 169cm      **Weight** 19,4kg

### Basic model

**Powder coating** 3 coats (primer, powder colour coating, clear lacquer), standard colour Diamond Black, other RAL colours at extra charge

**Suspension** rear wheel elastomer suspension (3 degrees of hard-ness available), front wheel suspension forks optional

**Bearings** rear swingarm with self-lubricating, sintered brass bushing

**Pedals** high-quality ball-bearing type with non-slip rubber surface (optional fold or push-fit pedals)

**Brakes** V Brake (optional hydraulic wheel rim or disc brakes)

**Tyres** 20" Schwalbe Big Apple 50mm, 2-5 bar (others optional)

**Wheel rims** Aluminium U-profile 24mm 36-hole

**Spokes** 36 Nirosta, 2mm

**Steerer race** 1 1/8 inch sealed (BERNDS special)

**Stem** adjustable angle, 1 1/8 inch, different lengths optional

**Handlebars** Moon (other handlebars optional)

**Seatpost** patented, aluminium 29.8mm

**Saddle** Terry Citta (other saddles optional)

Please contact us for optional Foot stands and Mudguards.

### Models of drive train

**8-gear derailleur** development 2.45m – 7.13m (48 tooth to 11-32), chain drive with freewheel

**8-gear hub** development 2.41m – 7.39m (42 tooth to 15), with back-pedal or freewheel (Premium hub); optional belt drive

**3x8-gear DualDrive** development 1.57m – 8.48m (42 tooth to 11-32), Sram DualDrive, 8-gear combined 3-gear hub

**14-gear hub** development 1.68m – 8.85m (48 tooth to 13), Rohloff SpeedHub; optional belt drive

\*Standard dimensions with 50mm width tyres, made-to-measure bikes deviate from these

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