



User Manual *KANGOO* Rehab-Buggy

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1. Common Information

1.1 Preface

Thank you for selecting the KANGOO Rehab-Buggy, a high quality product which grants you enjoyment for a long time. The multifunctional KANGOO offers you buggy, bike trailer and car seat for children in one product. This user manual will enable you to handle the KANGOO correctly.

Please read the following instructions carefully to make sure you use this product as recommended.

If you have any further questions, or if you have any problems, please contact your healthcare provider or contact our support-team.

We hope that the KANGOO meets your expectations.

The design, as described in the manual, is subject to technical alterations without notice.

1.2 Application

The accommodation with Rehab-Buggys is necessary for the transport of individuals requiring mobility assistance, especially for children and young persons.

With the KANGOO you can handle difficult terrain where you won't be able to drive using a current wheelchair.

The variety of equipment and the modular design grant a comfortable, safe and easy care.

Assistance may be required due to:

- atypical muscle tone;
- loss of limbs;
- joint instability;
- joint contractures;
- joint defects;
- general weakness

1.3 Declaration of conformity

The BoGeTec GmbH as manufacturer with sole responsibility declares that the KANGOO Rehab-Buggy conforms to the requirements of the 93/42 EEC Guidelines.

1.4 Approvals

The seat shells size 1 and 2 conform to the requirement of the ECE R44/03 Guidelines for car seats.

The registration number according to the requirements of the medical law is DE/CA40/00528/1 conferred by the „Regierungspräsidium Tübingen“.

1.5 Terms of warranty

The terms of warranty are defined in the general terms and conditions of the BoGeTec GmbH.

The period of warranty will be 12 months on defects caused by the manufacturer.

Warranty applies only when the product is used according to the specified conditions and for the intended purposes, following all manufacturer's recommendations.



2. Safety instructions

2.1 Meaning of the symbols



Advices and Information



Warnings and safety instructions



Assembly and use

2.2 Common safety instructions



Read manual completely before use!

Familiarize yourself with handling and functions of the product before use and practice the handling.



You are responsible for the safety of your child. The safety of your child could be affected if you do not follow the instructions of this manual. Nevertheless not all possible circumstances and unpredictable situations can be covered by this manual. Reason, care and circumspection are not features of the product, they are required of persons, who use the product. The person, who is using the product and its equipment should understand all instructions and should explain them to every person using the product and its equipment.

If there are instructions which are not clear and further explanation becomes necessary, or if you have further questions please contact your healthcare provider.



The KANGOO is not suitable for children under 6 months!

Strap your child at any time in the Buggy and never leave it unattended even when it is strapped in and the brakes are engaged.

Please note the permissible maximum weight (see also: technical data).



Attaching heavy bags or other weight to the push handles can adversely affect stability.

The tyre pressure has to be checked regularly; it should be at least 3 bar.

To clear obstacles such as steps and curbs, tilt the Buggy onto the rear wheels (pull it backwards to go up; to descend, slowly lower it forward)



The Rehab-Buggy is only intended to carry one child at a time.

Pay attention while passing over inclines and slopes to prevent

- the child from falling out of the Buggy;
- the buggy from tipping over;
- the buggy from rolling away;



Please keep the packaging material away from children. Plastic packaging presents the danger of suffocation.

Before lifting out / putting in the child, always lock the wheel locks.



Safety Instructions Bike-Trailer **Check before any trip!**



Make sure that all locks are closed and all screws are tightened firmly.

We recommend wearing a bike helmet for both, cyclist and passenger.

The KANGOO-passenger has to be strapped by a 5-point-harness.



The safety rope has to be fixed on the bike.

Always unlock the parking brake while using the KANGOO as a bike-trailer.



Note that the driving characteristics of the bike change obviously while using assembled bike-trailer:

- larger turn circle and track width;
- decreased braking force (especially while driving downhill) because of more total weight

Avoid to cross obstacles (stones, branches, road holes etc.) with the trailer.

The KANGOO is equipped with an overturn stop which prevents the tipping over of the buggy but it cannot exclude it completely.



For the first use we recommend driving exercises without passenger.

Safety Instructions Car Seat



The approval of the seat shells size 1 and 2 as a car seat is only valid in conjunction with the 5-point-harness system for cars.

Pay attention to fasten the seat belt of the passenger and car seat correctly.



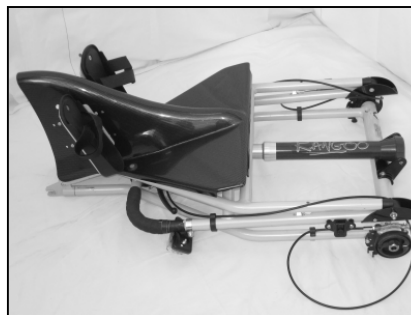
The seat shell size 3 is not approved as a car seat. The use is at one's own risk.




3. Delivery and preparing for use

3.1 Basic equipment

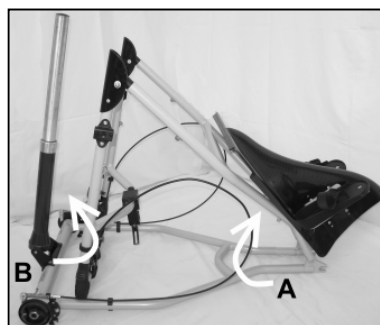
- outdoor frame, folded;
- front and rear wheels
- seating unit, upholstered;
- standard 5-point-harness
- accessories as ordered
- user manual




3.2 Assembly

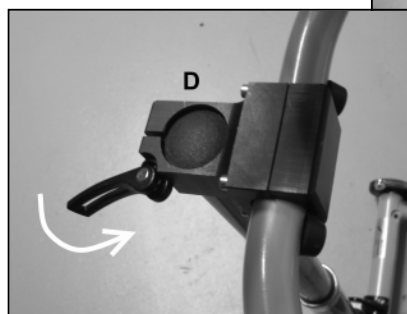
-  Take the KANGOO out of the package and remove the transport safety items and packaging material. Place the outdoor frame on the ground.


Fold up lower part of push handle frame **A** and turn shock absorber **B**. Then expand the upper part of push handle frame **C** about face.



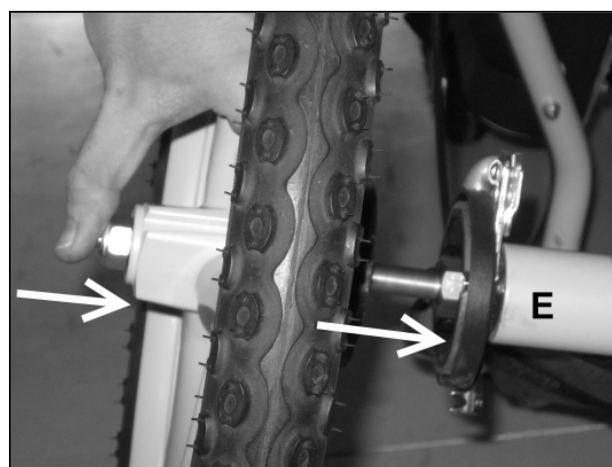
-  Put the shock absorber **B** into the clamping **D** and tighten the clamp with the small black lever.

- ① **Note:** The clamping force can be adjusted by turning the screw on the left side of the clamping.



-  Push the rear wheels into the rear axle tube **E** by using the quick release axles till end engages.

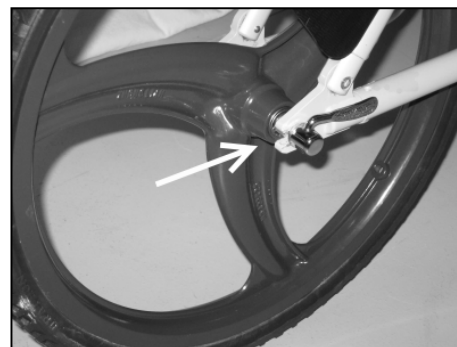
- ① **Note:** The quick release axle is engaged when the push button is under pressure.





- ① Set the front wheel into the wheel mount on the outdoor frame and fix it by the quick lock.

① **Note:** For an easier assembling of the front wheel tilt back the KANGOO on the push handles.



Assembly of the seat shell

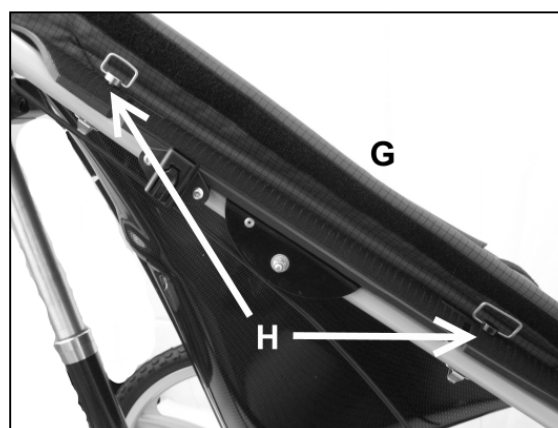
First set the seat shell unit **G** on the push and seat frame.



- ① After unfixing the velcro of the side cushions, plug the pins **H** through the corresponding wholes of the seat shell and the outdoor frame. Take care that the pins are different. The silver colored pins have to be plugged in the upper wholes and the black colored pins have to be plugged in the lower wholes of the outdoor frame.

Note that the pin lock is engaged when the hooks lay vertical on the seat shell. By turning the pins into a horizontal position, the pin lock releases.

After the plug in of the pins, fix the velcro of the side cushions on the seat shell.





4. Functions

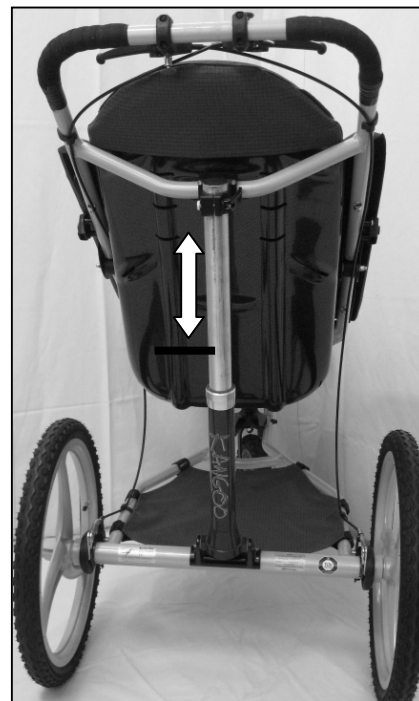
4.1 Rehab-Buggy

- ① In the basic version the KANGOO can be used as a Rehab-Buggy. The 20" spoke wheels offer you borderless entrance to forests, beaches and fields. The suspension protects the passenger against hits and shocks by driving in impassable areas.

① **Seating Position and Suspension**

The seating pitch can be relocated by loosening the clamp lever of the suspension.

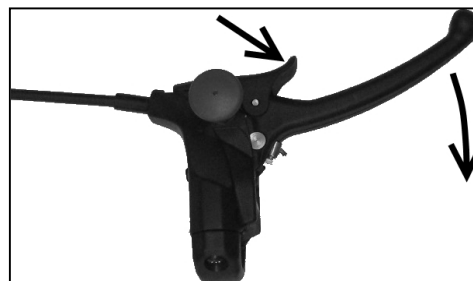
Due to the weight, the suspension sinks into the shaft bearing. Because of that the minimum distance between the clamping and the shaft has to be at least 5 cm.



① **Braking system**

The drum brake system including parking brake allows the user to break the buggy in a comfortable and safe way. The rear wheels stay removable by the quick release axles.

For fixing the parking brake pull the brake handle and the lever till the red button engages audible.



For unlocking the parking brake pull the brake handle backwards and unplug the red button.





4.2 Car seat function

The approval of the seat shells size 1 and 2 as a car seat is only valid in conjunction with the 5-point-harness system for cars.

Be aware of the maximum passenger weight of 40 kg.

Placement of the seat shell in the car



Place the seat shell on the back seat of the car and fix it by pulling the car harness through the slots in the seat shell (3 points). Then lock the harness in the in the belt lock of the car.

- ① **Note:** The seat shell size 3 is not approved as a car seat. The use as a car seat is at one's own risk.

The passenger has to be strapped by a special car harness system which conforms to the requirements of the ECE 44/03 Guidelines.



4.3 Bike trailer

The KANGOO can also be used as a bike trailer. You will find detailed information about assembly and handling in the chapter 5.7 accessories / bike trailer (page15-16).





5. Accessories



All accessories not installed by the manufacturer has to be installed by trained technicians.
Straps on accessories are usually extra long to accommodate every option. Shorten excess strap ends on accessories after the individual adjustment.
To prevent belt endings from fraying, the cut ends can be melted together by flame.

5.1 Footrests / Shortening and enlargement



Install the footrests on the left and right side of the wheel cover. Therefore put the screws through footrest and wheel cover from the outside and tighten it firmly with the enclosed nut from the inside.

Open the wingnut on the lower side of the footrests to adjust the angle of the feet.



Shortening / enlargement



First screw the footrests tightly on the metal plates. Then fix the metal plates on the wheel cover by the enclosed screws as explained in chapter footrests.





5.2 Guided front wheel

- Take off the 20" front wheel and set the guided front wheel into the wheel mould of the outdoor frame. Fix it by the quick lock



5.3 Sun cover incl. moscito net

- You get the sun cover completely installed on the alu-tubes. Insert the male pins of the sun cover into the adapters on the outdoor frame.

After that fix the velcro strap around the push handle and spread the sun cover.

The ratchet joints on the adapters are used to set the angle of the sun cover. Lock the button on the adapter after spreading the sun cover.



- Install the mosquito net on the front of the sun cover using a zip. Then put it over the footrests and the wheel cover and use the fitted straps for fixation around the push handle and the lower seating frame.



Rain cover

- Insert the male pins of the alu-tubes into the adapters of the outdoor frame and spread them. Unfold the rain cover, pull it over the alu-tubes and put it over the footrests and the wheel cover. Fix the fitted straps around the push handle and the lower seating frame.

- Note:** You can easily pull the rain cover over the sun cover when it is already installed.





5.4 Belt systems

The KANGOO Rehab-Buggy is suited for the assembly of many belt systems. Generally the KANGOO is equipped with a five point harness.

The installation should be made by authorized dealers or trained technicians.

Five point harness

- ① The five point harness will be adapted by using the designated slots in the seat shell and upholstery.

First take off the upper part of the seat upholstery and pull the shoulder belt through the appropriating slots in the back of the seat shell and upholstery.

Put the seat upholstery back again.

Lead the lap belts among side and seat upholstery through the slots in the lower part of the seat back.

Lay the seat shell on its backside and remove the und lower part of the seat upholstery for fixing the lock belt. Pull the belt through the appropriating slot in the base part of the seat shell and the upholstery. Then put the upholstery back again.

Finally fix the plastic buckles on the free belt ends at the back and base side of the seat shell.

- ① **Note:** The length of the belt straps can be adjusted by the buckles on the free belt ends.



Five point car harness

- ① First take off the upper part of the seat upholstery and pull the shoulder belt through the appropriating slots in the back of the seat shell and upholstery. Put the seat upholstery back again.

Unthread the lap belt from the adjuster and lead it from the right side slot to the left side slot on the back of the seat shell. Pull the lap belt through the left side slot to the inner side of the seat shell and insert the lap belt in the adjuster.

Lay the seat shell on its backside and remove the lower part of the seat upholstery for fixing the lock belt. Pull the belt through the appropriating slot in the base part of the seat shell and the upholstery. Then put the upholstery back again.

Finally fix the metal buckles on the free belt ends at the back and base side of the seat shell.

The five point harness system will be unlocked by pressing the red button.

- ① **Note:** The length of the belt straps can be adjusted by the buckles on the free belt ends.





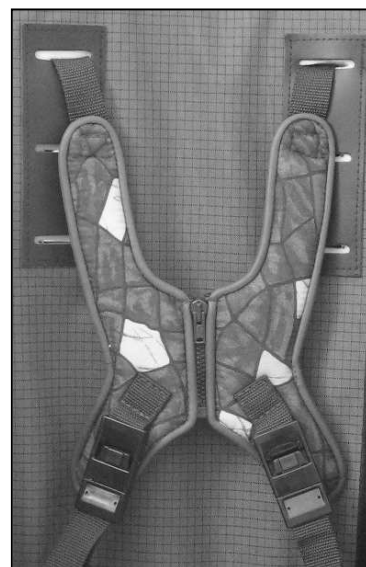
Vest belt with zip

- First take off the upper part of the seat upholstery and pull the shoulder belt through the appropriating slots in the back of the seat shell and upholstery. Put the seat upholstery back again.

Remove the lower belts from the buckles which are fixed in the adapters on the vest and lead them from the backside through the side slots to the inner side of the seat shell. Fix the belt in the buckle again and engage the buckle in the clip lock.

For the final fixation of the vest belt connect the lower free belt ends with the upper buckles on the backside of the seat.

- ① **Note:** This instruction affects only for the first installation of the vest belt. Future don and doff will be more easy by using the zip.
The size can be appointed by the adjusters added on the belts.



Abduction belt

- First of all position the abduction belt in the seat shell.

- ① **Note:** Position the abduction belt with the quick release buckles pointing downwards on the seat surface.

Remove the quick release buckles from the lag belts now and lead them through the appropriating slot in the seat shell among seat and side upholstery. After doing that fix the quick release buckles on the belts straps again.

Take the thigh belts which have a loop on the belt end and lead them through the same slots as the lag belt before. Now thread the belts with the quick release buckles through the loops of the thigh belts.

For the final fixation of the abduction belt connect the left and right belt on the backside of the seat shell by quick release buckle.

- ① **Note:** This instruction affects only for the first installation of the abduction belt.
Future don and doff will be more easy by using the quick release buckles on thigh belts..
The size can be appointed by the adjusters added on the belts.





5.5 Cushions for stabilization of the seating position

In the accessories of the KANGOO you can find many different cushions for the stabilization of the seat position. The following chapter gives information how to install the cushions.



Headrest with / without side block

On the standard upholstery of the KANGOO you can find velcro to adapt additional cushions. Install the headrest by pushing its back onto the fixing velcro of the seat upholstery..



Thoracic block (pair)

Thoracic blocks have to be assembled by velcro on the side and back parts of the seat upholstery.



Arm tray incl. pelvic block

Install the arm tray incl. pelvic block in the seat and fix it by the velcro ribbon among the seat upholstery and seat shell.

① **Note:** The excess strap end can be cut.



Seat wedge with / without abduction block

Lay down the seat wedge on the upholstery of the seat shell. It is fixed by the velcro on the underside.



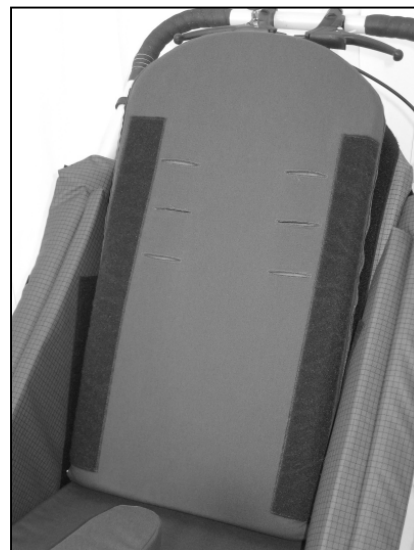


Back wedge with simple or wedge cushion

By removing one inner wedge cushion, the back wedge changes into a smaller back cushion e.g. for enlargement of the seat depth or for adjustment of the back angle.

First open the zip in the under part and remove the wedge cushion, then close the bottom zip again and the side zip to spread the cloth again.

To install the back wedge in the seat shell push it onto the velcro on the back seat upholstery.



5.6 Storage box / cloth tray



The cloth tray is already installed by the velcro straps around the basic frame when you receive the delivery.

Remove the cloth tray to set the storage box from the side on the basic frame.





5.7 Bike Set

The bike option allows the user and its family nearly unlimited access to most areas.

The bike set includes the bike shaft, bike adapter, lighting set and a safety flag.

Bike shaft

First of all lower the seat position by opening the clamp on the suspension. This is to grant a higher stability while using the bike trailer.



Remove the front wheel and set the bike shaft into the axle mould on the basic frame and fix it by quick lock.

After that place the black clamping part **B** on the outdoor frame **C** and firmly tighten the handle screw for clamping.



- ① **Note:** For an easier removing of the front wheel and assembly of the bike shaft you can find an assembly support in the accessories.



Bike adapter



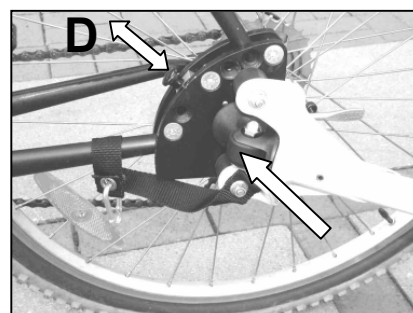
Install the enclosed bike adapter on the frame of your bike by using 3 socket head cap screws. Pay attention that the adapter is installed close to the axle of the rear wheel.



Connection of bike shaft and adapter



Pull the safety pin **D** and set the bike shaft in the adapter till it engages. Make sure that the safety pin is engaged correctly. Fix the safety rope on the bike as shown.



Check the complete installation of the bike set before any trip and notice the safety instructions on page 4



Alternative: E- or B-coupling system Weber

Assemble the coupling appointing to the picture and enclosed user manual on the bike frame.

Connection of bike shaft and adapter

Push the opened shaft onto the joint until it reaches the stop. Twist the handle until the safety pin is locked up. Fasten the safety strap to the bike frame.



Lighting set

Assemble the rear diode on the outdoor frame and the reflectors at the seat shell as shown in the picture (batteries are not included in the delivery). Clean the seat shell before bonding the reflectors.



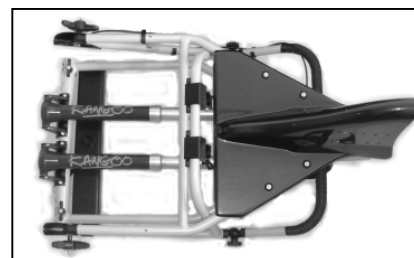
5.8 Ski set

For fans of winter sport there is a ski set available in the accessories.
Put the wheels in the cups of the skis and fix them by using a tension wire.
Now the KANGOO is prepared to be used like a sledge.



6. Transport in the trunk of a car.

The KANGOO can be folded together very easily and becomes a packaging size which fits nearly in any trunk of a car.
Take the wheels and the seat shell of the outdoor frame and fold the outdoor frame together (see also chapter 3.2 assembly) in the best case use the seat as a car seat and save room.



7. Maintenance

The Rehab-Buggy KANGOO should be checked for correct function before every use,
The items listed in the following have to be checked by the user at the indicated intervals. Failure to carry out these simple checks may lead the problems arising that could invalidate the warranty.

Function of the brake / wheel lock
Check of the screw connections
Air pressure (indicated on the side wall of the tyre)
Visual inspection of wearing parts such as wheels and bearings
Contamination on bearings

daily
weekly
weekly
monthly
monthly

Should any defect become obvious, please contact your authorized KANGOO dealer to eliminate them. We also recommend that you have your KANGOO serviced by your authorized dealer every twelve month.

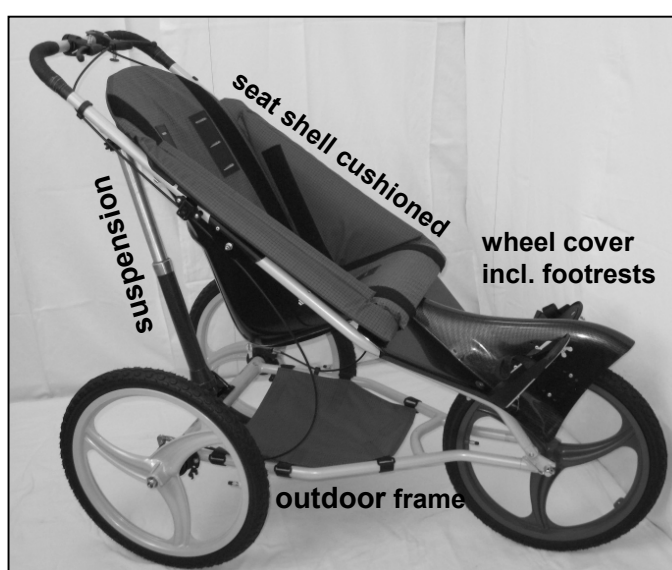


8. Care instructions

- ① Clean all frame components and plastic parts using mild detergents only
- ① Wash the upholstery parts with warm water. When washing the clothes, please pay attention on the washing instructions on the inner side of the clothes.
- ① All function components are basically greased. From time to time the greasing has to be restored.

9. Technical description

Outdoor frame:	High quality aluminium, powder coated
Seat shell:	ABS, size 1 and 2 with carbon-effect
Upholstery	Stabilized foam, cloth cover Cordure
Suspension:	Aluminium housing with PU-suspension, alu clamping eloxated, Kangoo size 1 and 2 with one suspension Kangoo size 3 with two suspensions
Belt system:	Five point standard harness
wheels:	20" alu wheels, powder coated with high quality bearings, Max. air pressure 3 bar or solid tires.
Breaking system:	Drum brake system including parking brake
Radverkleidung:	ABS with carbon-effect
Ablagetuch:	Cloth cover Cordura





10. Technical data

Specification			
Buggy data	Size 1	Size 2	Size 3
Width Buggy	64 cm	64 cm	68 cm
Width bike option	74 cm	74 cm	78 cm
Packaging size (l x w x h)	87 x 49 x 42 cm	87 x 57 x 42 cm	94 x 68 x 42 cm
Assembled size (l x w x h)	125 x 64 x 111 cm	125 x 64 x 111 cm	143 x 68 x 120 cm
Adjustment range lever	90 cm – 111 cm	90 cm – 111 cm	100 cm – 120 cm
Wheel diameter	20"	20"	20"
Max. weight of passenger	~ 40 kg	~ 40 kg	~ 60 kg
Kangoo standard only	14,5 kg	14,5 kg	16,5 kg
Seat depth	27 cm	33 cm	43 cm
Seat width	27 cm	35 cm	39 cm
Backrest width	58 cm	65 cm	max. 80 cm



The BoGeTec-Team wish you enjoyment with your KANGOO.
Please do not hesitate to contact us if there are some questions.

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