

Grizzly

Operation and Maintenance Manual

Issue 5



Grizzly – a modern rehab buggy with perfect driving properties

CAUTION! A user with a vision, reading or cognitive incapacity, they are asked to report to the Manufacturer in order to obtain information for the user in the appropriate format. Contact data of the Manufacturer:

• postal address: MyWam sp.j., ul. Szczecińska 10, 41-516 Chorzów, Poland

• contact phone number: +48 32 733 11 31

• e-mail address: mywam@mywam.pl

CAUTION! Before using the rehab buggy, each User is obliged to read the content of this manual and comply with it.

CAUTION! This manual is an integral part of the product and must always be included with the sold product.

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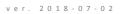
MyWam sp.j. reserves the right to introduce technical and commercial changes in the contents of the Operation and Maintenance Manual without prior notice. Each change will be determined by the date of the last update of the instruction.



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1. Purpose of this Manual

- 1.1. The operation and maintenance instructions contain the essential information necessary for the correct use of the Grizzly rehab buggy, including safety instructions for use, description of its construction, operation and adjustment, rehab buggy preparation, maintenance and cleaning of the rehab buggy and warranty conditions.
- 1.2. It is designed for people who take care of children with disabilities (assistants of children parents, carers) that will be transported in a rehab buggy. It is also suitable for doctors and rehabilitators operating the rehab buggy.
- 1.3. This manual should be kept in an accessible place.
- 1.4. CAUTION! Keep this manual for future reference!

2. Purpose of the Grizzly rehab buggy

- 2.1. The Special Grizzly Rehab buggy for Children is designed to carry a child with neurological, orthopedic or other medical conditions that make it difficult or impossible to move independently.
- 2.2. The Grizzly rehab buggy is a medical device designed to carry a child with paralysis or quadriplegia, tetraplegia, unilateral or crossed diplegia.
- 2.3. The Grizzly rehab buggy is designed to carry one child.
- 2.4. The Grizzly rehab buggy can be easily and safely adjusted to suit your child's individual needs.
- 2.5. The Grizzly rehab buggy is designed to carry a child whose weight does not exceed 45kg, with a height of 80cm to 140cm. Statistically these are children between the ages of 2 and 12.
- 2.6. Individual features such as physical and psychological characteristics, dimensions and body weight, housing conditions, surroundings and, most importantly, the specific sickness of the child are the most important when selecting a rehab buggy.
- 2.7. Among illnesses of a particular child, conditions such as the following may be mentioned: cerebral palsy, myelomeningocele, condition after spinal injury, condition after craniocerebral trauma, posttraumatic stroke, condition after stroke, paralysis of various origin and other disfunctions damaging the human musculoskeletal system and disabling independent movement of the child.
- 2.8. Use the rehab buggy as instructed by a specialist.
- 2.9. The Grizzly rehab buggy is intended for indoor use (e.g., apartment, rehabilitation center) and outdoors (e.g. park, pavement), on hard and level surfaces where all four wheels touch the ground and their contact with the ground is sufficient to properly drive the rehab buggy.
- 2.10. The Grizzly rehab buggy is designed to be controlled and driven only by an assistant (parent, guardian).
- 2.11. The Grizzly rehab buggy user is both the child which will be transported in it and the child's assistant (their parent, carer, physician, rehabilitator) who will transport the child in a rehab buggy and take care of it.
- 2.12. The Grizzly rehab buggy, with proper care and maintenance, retains its quality for a period of 3 years and this is the expected life span.
- 2.13. The risks associated with using the rehab buggy are described in detail in the chapter: "Important safety information and instructions".







3. Important safety information and instructions

General



3.1. WARNING! Risk of accident - Before using the rehab buggy, the user is obliged to read and comply with the entire contents of this manual.



3.2. WARNING! Risk of accident - Before starting and during use of the rehab buggy, observe the safety information and instructions in this manual and follow the other recommendations in this manual.



3.3.1. WARNING! Failure to comply with the instructions, and in particular those relating to moving parts of the rehab buggy, may be hazardous to the user. 3.3.2. Always read the operation and maintenance instructions before use.



3.4. WARNING! Never leave a child unattended in a rehab buggy because there is a risk of injury and an accident!



3.5. WARNING! This product contains small parts that may be hazardous if swallowed by a child!



3.6. WARNING! Risk of injury - Always use all available safety systems for your child. These include: fivepoint harness, headrest supports, thoracolumbar supports, hip supports, side elements of the backrest, restraint-stabilization belts, wedge, safety barrier or a therapeutic table in its place, footrest and harness for placing the feet on the footrest.



3.7. WARNING! There is a risk of burns when using the rehab buggy- caution should be exercised when transporting the child in a rehab buggy at high and low temperatures and in contact with the skin, e.g. in the sun, in the cold, in the sauna, as the surface temperature of the rehab buggy may rise when the rehab buggy is exposed to sunlight or the surface temperature of the rehab buggy may fall when the rehab buggy is exposed to frost.



3.8. WARNING! When using the rehab buggy or operating the rehab buggy or folding it, it may endanger the health of the user and the immediate surroundings due to the dimensions of fixed and movable gaps and openings. These actions should be performed with particular caution.



3.9.1. WARNING! During use and operation of the rehab buggy and during the assembly and adjustment of the mechanisms, there may be danger of entanglement and compression of the body part of the user or companion in the openings and gaps between the elements. 3.9.2. These operations should be performed with particular caution. 3.9.3. After completing these steps, the positions of the individual components of the rehab buggy must be stabilized by precise tightening of the nuts, knobs and screws. In each case, the child must be taken out of the rehab buggy beforehand!

- 3.10. CAUTION! Never exceed the maximum load.
- 3.11. CAUTION! For the Grizzly rehab buggy, the maximum total weight is 45 kg.
- 3.12. CAUTION! The maximum load of the travel bag is 2 kg.
- 3.13. CAUTION! The maximum load for the shopping basket is 3kg.
- 3.14. CAUTION! The maximum load of the therapeutic table is 3kg.
- 3.15. CAUTION! The rear pocket in the adjustable booth with a window is used only for placing a rain cover or mosquito net in it.
- 3.16. CAUTION! Depending on the performed Grizzly rehab buggy adjustment this concerns adjustment of the handle for pushing the rehab buggy, adjustment of the backrest height, angular adjustment of the backrest, adjustment of the seat depth, angular adjustment of the seat, adjustment of the footrest angle and footrest setting the rehab buggy can exceed the recommended maximum dimensions.





- 3.17. CAUTION! In the event of a medical incident involving the presence of a Grizzly rehab buggy, you must immediately notify the Manufacturer in writing, either by registered letter or by e-mail with acknowledgment of receipt, using the following addresses:
- 3.17.1. Postal address: MyWam sp.j., ul. Szczecińska 10, 41-516 Chorzów, Poland
- 3.17.2. E-mail address: mywam@mywam.pl
- 3.18. The therapeutic seat is not suitable for children under 6 months.
- 3.19. It is forbidden to use the rehab buggy as a ladder or a base for climbing it to reach higher.
- 3.20. It is forbidden to use the rehab buggy in a way that the rehab buggy is not designed for.

in particular regarding the construction and regulation



3.21.1. WARNING! Any regulation of the rehab buggy and its components, any settings, changes, attachments and other adjustments to the rehab buggy must be carried out WITHOUT THE CHILD placed in the rehab buggy. 3.21.2. Failure to do so may cause serious harm to the child or to others!



3.22. WARNING! Adjustments performed in the rehab buggy, made in an incorrect manner or not in accordance with the instructions in this manual are dangerous for the child and others!



3.23.1. WARNING! Due to the great adjustability of the rehab buggy, when adjusting the angle of the seat and adjusting the angle of the backrest, it is possible to set a position where the head of the child is below the ilial line. 3.23.2. It is forbidden to use such a position, as this could lead to the risk of relishing or choking.



3.24. WARNING! The Grizzly Bear decorative set (accessories) is gentle and caution must be undertaken to ensure that the child does not damage its hair and does not put it in the mouth as this can cause the baby to relish!

- 3.25. WARNING! Any alteration in the tilt of the seat causes a change in the overall center of gravity, which affects the stability of the rehab buggy.
- 3.26. WARNING! Any alteration in the backrest tilt changes the overall center of gravity, which affects the stability of the rehab buggy.
- 3.27. WARNING! Any change in the backrest tilt requires re-adjustment of the length of the five-point harness!
- 3.28. WARNING! The central brake is not intended to slow the rehab buggy in motion and must only be used to immobilize the rehab buggy.
- 3.29. The front swiveling wheels, if the lock for the direction of movement is disabled, may vibrate at uneven surfaces and lead to a sudden stop of the rehab buggy and its tipping over. Therefore, in the case of uneven surfaces, it is advisable to lock the direction of movement of the front wheels and push the rehab buggy at a reduced speed.
- 3.30. All regulations and adjustments should be made under the supervision and care of a physician and physiotherapist.

in particular regarding assembly and disassembly



3.31. CAUTION! To avoid injury, make sure the child is at a far and safe distance when the rehab buggy is assembled and disassembled.

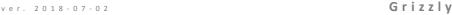


3.32. CAUTION! The rehab buggy must be fully assembled before use. Should you encounter any problems at this stage, please contact the Seller and the Manufacturer immediately.



3.33. CAUTION! During assembly of the rehab buggy and when mounting the seat to the rehab buggy frame, pay particular attention if the locking mechanism of the seat attachment to the rehab buggy frame is properly closed because otherwise there is a serious risk of injury to the user!









3.34.1. CAUTION! When assembling the rehab buggy and mounting the seat to the rehab buggy frame, care must be taken to ensure that the seat is mounted on the proper frame clips. 3.34.2. Attaching the seat to other components of the rehab buggy frame is incorrect and poses a risk of an accident!



3.35.1. CAUTION! It is forbidden to place additional weight on the rehab buggy, in particular to place additional weight on the back of the backrest, for example a backpack or bag. 3.35.2. This can cause the Grizzly rehab buggy to roll over and damage the user!



3.36. CAUTION! Ensure safe distance from the moving parts of the rehab buggy during assembly and disassembly of the rehab buggy, as there is a risk of crushing your fingers, hands or other body parts.



3.37. CAUTION! During assembly and disassembly of the wheels to the rehab buggy frame, be sure to check that they are correctly installed as there is a risk of injury.

- 3.38. WARNING! Do not dismantle the rehab buggy frame if the transport lock is mounted, as this may cause damage to the rehab buggy.
- 3.39. WARNING! When mounting the therapeutic seat with the backrest to the rehab buggy frame in a different direction from that previously installed, it is important to remember that this changes the center of gravity and affects the stability of the rehab buggy.
- 3.40. All additional components attached to the rehab buggy affect its stability.
- 3.41. The Grizzly rehab buggy backrest should only be fitted to the Grizzly rehab buggy frame and not to any other rehab buggy or equipment.



in particular regarding preparation for use

3.42. CAUTION! Before using the rehab buggy, make sure that the rehab buggy is properly assembled and that all mechanisms, clips and fasteners are properly assembled, closed and ready to use. In particular, this applies to: the frame folding mechanism, the mechanism of seat attachment to the rehab buggy frame and mounting of all four wheels.

3.43. CAUTION! Before you start to drive the Grizzly rehab buggy, make sure your child is secured and has properly regulated and assembled five-point harness because there is a risk of injury.

3.44.1. CAUTION! The frame folding mechanism is a very important element in the construction of the rehab buggy, therefore it is important to each time pay particular attention to the absence of cracks and damage to the frame folding mechanism and its proper operation before use. 3.44.2. In case of any suspicion, the rehab buggy must not be used because it is dangerous for the child, his assistant and others! 3.44.3. In this situation, it is advisable to contact the Deller and the Manufacturer for advice.



- 3.45. CAUTION! Correct use of the folding mechanism is important for the safety of the child and others.
- 3.46. WARNING! Prior to use, the rehab buggy's upholstery must always be dry.
- 3.47.1. WARNING! Prior to each use, always follow the steps listed below, and do not use the rehab buggy in the event of a malfunction. In this situation, it is advisable to contact the Seller and the Manufacturer for advice. 3.47.2. Prior to each use of the rehab buggy, perform the following actions:
- 3.47.1. Inspect the rehab buggy for visible damage or other defects that could harm the child while operating the rehab buggy.
- 3. 47.2. Check that the rehab buggy frame has been properly folded and that the folding mechanism of the frame has been properly closed (locked).
- 3. 47.3. Check that the seat has been correctly fitted to the rehab buggy frame and that the seat attachment mechanism to the rehab buggy frame has been properly closed (locked).





- 3. 47.4. Check that all four wheels are properly assembled.
- 3. 47.5. Check the good condition tread's tires on all four wheels
- 3. 47.6. Check the functioning of the central brake.
- 3. 47.7. Correctly perform all adjustments and adjust the rehab buggy to the needs of the child, including the appropriate depth of the therapeutic seat and backrest height, appropriate tilting of the therapeutic seat and tilt of the backrest, adjust the appropriate tilt of the footrest, regulate the appropriate length of the five-point harness.
- 3. 47.8. Check that all regulation elements are properly placed and secured.
- 3. 47.9. Make sure the rehab buggy upholstery is dry.
- 3. 47.10. Secure the child with five-point harness to protect the child from falling out and slipping out of the rehab buggy.
- 3. 47.11.a. Secure the child with all available stabilizing elements, such as: five-point harness, headrest support, thoracolumbar support, hip support, restraint-stabilization harness, wedge, footrest, harness of footrest, safety barrier or therapeutic table. 3. 47.11.b. This is to protect your child from falling off and slipping out of the rehab buggy and to protect the child's feet from falling from the footrest.
- 3.48.1. WARNING! Do not use the rehab buggy if the technical condition of the rehab buggy or an individual rehab buggy element is incorrect or if you have any doubts that the rehab buggy is damaged or there is only a suspicion that the rehab buggy has been damaged or that the rehab buggy is not working properly. 3.48.2. In this situation, it is advisable to contact the Seller and the Manufacturer for advice.

in particular regarding handling of the rehab buggy

- 3.49. WARNING! It is forbidden to carry or lift the rehab buggy with a child inside.
- 3.50. WARNING! It is forbidden to carry the rehab buggy that is not dismantled into separate parts: the rehab buggy frame separately, disassembled therapeutic seat with backrest separately, separate dismantled equipment of the additional rehab buggy.
- 3.51. WARNING! Do not lift the rehab buggy holding the footrest or safety barrier, therapeutic table or any other accessories.

in particular regarding getting in and out of the rehab buggy and the correct position in the rehab buggy



3.52. CAUTION! Do not stand on the plate of the footrest as there is a risk of overturning the rehab buggy, injury to the user and the risk of damage to the product.



- **3.53. CAUTION!** Please note that when helping the child get in and out of the rehab buggy, the child and no other person should not stand on the footrest, as it may damage the footrest and injure the child!
- 3.54. WARNING! When the child gets in our out of the rehab buggy, the central brake must be engaged.
- 3.55. WARNING! When the child gets in our out of the rehab buggy, make sure the center brake of the rehab buggy is engaged.

in particular regarding driving the rehab buggy



3.56. CAUTION! Do not let go of the rehab buggy or push it away as it can cause an accident.



3.57. CAUTION! This product is not suitable for running or skating.



3.58. CAUTION! Use of the product is prohibited for sports purposes.







3.59. WARNING! Please note that when using the rehab buggy, the child's limbs should not get between the spokes of the wheel and the adjustable rehab buggy parts.

3.60. WARNING! When passing through a door or a similar narrowing that limits the direction of movement of the rehab buggy, make sure that there is adequate space on both sides of the rehab buggy which prevents the hands or other parts of the body from being trapped, it also prevents any damage of the rehab buggy.

3.61. When moving on the rehab buggy on public roads, follow the highway code.

in particular regarding moving around sloping surfaces



3.62. CAUTION! It is forbidden to leave the child in a rehab buggy without supervision of an adult and responsible assistant (parent, guardian), this particularly regards leaving the child in a rehab buggy on sloping grounds, as this may cause an accident and injury to the user!



3.63. CAUTION! Do not exceed the maximum vehicle load when using driveways, as this may result in injury to users and the persons in the environment.



3.64. CAUTION! When using ramps, make sure that the ramp is proper, and that the wheels of the rehab buggy are high enough to overcome the ramp, that the frame of the rehab buggy will not come into contact with the ramp and that assistance should be provided to the other person as there is a risk of overturning the rehab buggy, causing damage of the product and injury of the user.

3.65. WARNING! Always keep in mind that the center of gravity of the rehab buggy changes as you drive through bumps or slopes. In this case, caution should be undertaken and the rehab buggy should be secured.

in particular regarding dealing with thresholds or curbs



3.66. CAUTION! It is forbidden to drive up or down the stairs with the rehab buggy, both with the child and the rehab buggy itself, as this can result in an accident and injury to the user!

in particular, regarding the transport of the rehab buggy in a car and other vehicles



3.67. CAUTION! It is forbidden to carry a child in a rehab buggy and at the same time in all other means of transportation, e.g. in a car, on a train, on a tram, on a bus, on an airplane, on a ship or other, as it may cause injury.



3.68. CAUTION! It is forbidden to use the rehab buggy seat as a car seat as it can cause injury



- 3.69. CAUTION! Risk of an accident and injury to the user and surrounding environment when carrying the rehab buggy in other means of transport, such as in a car, on a bus, or on a train, make sure that the rehab buggy is properly secured to prevent personal injury during collisions or violent braking.
- 3.70. WARNING! When transporting the rehab buggy in other means of transport, e.g. in a car, on a bus, on a train, the rehab buggy must be transported without a child and the rehab buggy must be well protected against possible damage.
- 3.71. WARNING! The manufacturer is not liable for any damages resulting from improper product protection during transport.
- 3.72. WARNING! When transporting the rehab buggy in other means of transport, e.g. in a car, on a bus, on a train, do not use one safety belt to protect both the passenger and the rehab buggy.
- 3.73. Use a transport lock when transporting the rehab buggy and during its storage.





in particular regarding maintenance and service

3.74. WARNING! The Manufacturer is responsible for defects or technical damages of the rehab buggy that have occurred solely during correct operation of the rehab buggy. The responsibility for the proper functioning of the rehab buggy rests with the Manufacturer only in the case of strict compliance with all the Manufacturer's recommendations.

- 3.75. WARNING! The manufacturer is responsible for the correct operation of the rehab buggy only in the case of use of original parts and original accessories.
- 3.76. Only original spare parts that are supplied or recommended by the Manufacturer may be used in the rehab buggy.
- 3.77.1. Repairs of the rehab buggy carried out by persons other than authorized Service (see chapter 30. List of Authorized Service Points) or Manufacturer will cause loss of warranty. 3.77.2. The Manufacturer is not liable for any personal injury or damage that may result from repairs performed by persons other than authorized Maintenance personnel (see section 30. List of authorized service points) or Manufacturer.
- 3.78. The rehab buggy should be cleaned regularly and taken care of. Do not use abrasive cleaners for cleaning.
- 3.79. The manufacturer is responsible for the correct functioning of the rehab buggy only if purchased in a specialized medical shop.
- 3.80. The manufacturer is not responsible for the appropriate selection of accessories for the user.

4. Identification plate

- 4.1. The identification place contains the basic information about the product: the name, model, serial number (identification), maximal load, date of manufacturing, confirmation of product conformity for medical devices, warning of handling according to the operating and maintenance instructions and manufacturer's data (see Fig. 4.1).
- 4.2. The identification plate is located on the transverse beam at the rear of the rehab buggy frame, to its left, glued from the top.

Nazwa wyrobu / Product name: WÓZEK INWALIDZKI SPECJALNY Warn Model: GRIZZLY SN Al: 10 max 45 kg



5. Warning signs

- 5.1. The warning plate contains important warnings for the user (see Fig. 5.1).
- 5.2. The warning plate is located on the transverse beam at the rear of the rehab buggy frame, to its right, glued from the top.

Fig.5.1.

v.mywam pi

Fig.4.1.

- Przed przystąpieniem do użytkowania należy zapoznać się z instrukcją obsługi.
- Pozostawienie dziecka bez opieki osoby doroslej może grozić niebezpieczeństwem.
- Produkt nie jest przeznaczony do biegania ani jazdy na rolkach.
- Nie przenosić wózka z dzieckiem.
- Uwaga na szczeliny oraz elementy ruchome - groźba zakleszczenia.







6. Designation of symbols



6.1. Serial number of the product



6.2. Allowable total user weight



6.3. Production date



6.4. The conformity mark according to the Medical Device Directive 93/42 EEC, Annex VII



6.5. Warning about proceeding according to the Product Operation and Maintenance Manual



6.6. Name of manufacturer



6.7.1. The "WARNING" mark used in this manual is used to enhance the reader's attention to the content of this mark. 6.7.2. Failure to comply with the content marked with this symbol may jeopardize the health and safety of the user and assisting persons and may result in damage to the product.

7. General construction

The Special Children's Grizzly Rehab buggy consists of two main parts: a rehab buggy frame and a therapeutic seat with a backrest.

The Grizzly rehab buggy also features a wide range of extra equipment which can be selected according to individual needs of the users.

7.1. Steel rehab buggy frame enriched with aluminum elements.

The elements of the rehab buggy include:

7.1.1. Mechanism of frame assembly	(see Fig.7.1. and no. 14; and on page 15)
7.1.2. Transport lock	(see Fig.7.1. and no; and on page 16)
7.1.3. Front swivel wheels, full	(see Fig.7.1. and no. 7; and on page 16)
7.1.4. Front wheel quick-fit mechanism	(see Fig.7.1. and no. 5; and on page 16)
7.1.5. Front wheel drive lock	(see Fig.7.1. and no. 4; and on page 17)
7.1.6. Rear wheels, full	(see Fig.7.1. and no. 9; and on page 18)
7.1.7. Quick-fit mechanism for rear axle wheels	(see Fig.7.1. and no. 8; and on page 18)
7.1.8. Quick-fit rear wheel mechanism	(see Fig.7.1. and no. 13; and on page 19)
7.1.9. Rear wheel suspension system	(see Fig.7.1. and no. 12; and on page 19)
7.1.10. Ergonomic handle to push the rehab buggy	(see Fig.7.1. and no. 1; and on page 19)



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7.1.11. Angle adjustment mechanism of the pushing handle

7.1.12. Central brake

7.1.13. Tilting foot

7.1.14. Frame hooks for seat mounting

7.1.15. Angular adjustment mechanism of the seat, so-called cradle

(see Fig.7.1. and no. 2; and on page 20)

(see Fig.7.1. and no. 11; and on page 20)

(see Fig.7.1. and no. 10; and on page 20)

(see Fig.7.1. and no. 3; and on page 21)

(see Fig.7.1. and no. 6; and on page 26)

Fig.7.1.



Fig.7.2.



7.2. Therapeutic seat with backrest

Its elements include:

7.2.1. Adjustable therapeutic seat

7.2.2. Seat attachment mechanism for rehab buggy frame

7.2.2. Adjustable backrest

7.2.3. Angular adjustment mechanism for the backrest

7.2.4. Five-point harness

7.2.5. Adjustable footrest

7.2.6. Angular adjustment mechanism for the whole footrest

(see Fig.7.2. and no.3; and on page 24)

(see Fig.7.2. and no.6; and on page 21)

(see Fig.7.2. and no.1; and on page 27)

(see Fig.7.2. and no.7; and on page 28)

(see Fig.7.2. and no.2; and on page 29)

(see Fig.7.2. and no.4; and on page 30)

(see Fig.7.2. and no.5; and on page 31)

(and on page 34)

7.3. Accessories (see Fig.7.3)

7.3.1. Head supports (and on page 31)

7.3.2. Thoracolumbar supports (and on page 32)

7.3.3. Hip supports (and on page 33)

7.3.4. Side elements of the backrest

7.3.5. restraint-stabilization harness (and on page 34)

7.3.6. Security frame (and on page 35)





Fig.7.3

, ,	
7.3.8. Therapeutic table	(and on page 37)
7.3.9. Travel bag	(and on page 37)
7.3.10. Shopping basket	(and on page 37)
7.3.11. Wedge	(and on page 38)
7.3.12. Rain cover	(and on page 38)
7.3.13. Winter gloves	(and on page 38)

7.3.14. Sleeping bag for legs	(and on page 38)
7.3.15. Mosquito net	(and on page 39)
7.3.16. Umbrella	(and on page 39)
7.3.17. Exclusive decorative set - Grizzly Bear	(and on page 39)



8. Detailed description of construction and regulation

8.1. Mechanism of frame assembly

7.3.7. Adjustable roofing with a window

The frame folding mechanism is located inside the frame, and on the frame in three places in its left part and in three places in its right side. Describing these places from the top, from the rehab buggy pushing handle, they are:

- a) frame folding lock a handle for locking and unlocking the frame folding option, which has a red lock built in on the right part of the frame (see Fig. 8.1)
- b) right and left frame swivel element fixing the upper frame with the bottom frame (see Fig.8.1.)
- c) right and left twister- an element that allows the upper frame to be folded down to reduce its dimensions (see Fig.8.1.)

Fig.8.1.



8.2. Disassembly of the rehab buggy frame

To unfold the rehab buggy frame: place the rehab buggy frame horizontally on the ground so that the pushing handle is at the top, then remove the transport lock (see 8.5 Mounting and removing the transport lock) and pull up the rehab buggy pushing handle (see Fig. 8.2.) until hearing a clear click. The rehab buggy frame will be properly disassembled only when the folding mechanism of the frame is properly closed. This is evidenced by the clear "click" sound coming from the well-closed frame folding mechanism.

Fig.8.2.





8.3. Assembly of the rehab buggy frame

To fold the rehab buggy frame: Push the red folding frame locking button (see section 8.1 Frame folding mechanism) and simultaneously pull both frame folding handles upward towards the push handle (see Fig. 8.3). Then fold the rehab buggy frame forward, in the direction of the front wheel mounting, then attach the transport lock.

Fig.8.3.



8.4. Transport lock

The rehab buggy is equipped with a transport lock which serves to secure the folded (closed) frame of the rehab buggy prior to its automatic opening during transport and storage.

The transport lock consists of two parts (see Fig.8.4): eyelet (female element) and pin (male element).



8.5. Installation and removal of the transport lock

In order to secure the frame against its accidental opening, the frame must first be folded (see 8.3. Assembly of the rehab buggy frame) and then place the lock eyelet on the locking pin so that both of these elements close over each other. To unlock the transport lock, before unfolding the frame, pull the lock eyelet out of the locking pin, and then you can proceed to unfold the frame of the rehab buggy.

Fig. 8.5.

8.6. Front swiveling wheels, full

Wheels of German production guarantee the highest quality of rehab buggy driving, pleasure from driving and an elegant appearance. The tires are tubeless, filled with a special gel, which has suspension qualities very close to pneumatic tires. The wheels are pre-assembled in the forks of the front wheels, which are ended with front wheel steering axle from the top (see Fig.8.6).

Both front wheels can be set for driving straight ahead or unlocked for turning, which makes handling of the rehab buggy much easier (see 8.10. Front wheel drive lock).



Fig. 8.6.

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Fig.8.7.

8.7. Front wheel quick-fit mechanism

The mechanism is mounted on the front ends of the frame and ensures fast assembly and dismounting of the front wheels. It is activated by pressing the quick disassembly button down, towards the ground (see Fig. 8.7). The wheel is mounted from below through a vertical hole.

8.8. Front wheel assembly

Place both front wheels. To do this, apply the wheel turning axle to the quick disassembly opening until the click (see Fig.8.8).

A clear "click" sound is a sign of correct placement of the wheel, derived from the fast wheel disassembly mechanism.

Fig.8.8.

8.9. Front wheel disassembly

When disassembling the front wheel, press the button located at the top of the quick disassembly mechanism of the front wheels. Then slide the steering wheel axle out of the quick-disassembly mechanism of the front wheels (see Fig.8.9.). Repeat for the second wheel.

Fig.8.9.



8.10. Front wheel drive lock

With the front wheel lock (see Fig. 8.10) and the possibility of assembling or disassembling it, when pushing the rehab buggy, the bigger comfort of both the child and the assistant is clearly noticeable.

It is advisable to remove the lock and allow the front wheels to be tilted while driving the rehab buggy on a completely smooth surface such as in shopping centers, schools.

On the other hand, in the case of inferior surfaces, moving on inclined surfaces, when crossing thresholds or curbs, it is recommended to mount a lock and locking the turning of front wheels.

Fig.8.10.





8.11. Attaching and removing the front wheel drive lock

To lock the turning of the front wheels, turn the knob of the directional lock to the left (see Fig.8.11.).

To unlock the turning of the front wheels, turn the directional lock knob to the right.

Fig.8.11.



8.12. Rear wheels, full

Wheels of German production (see Fig. 8.12) guarantee the highest quality of rehab buggy driving, pleasure from driving and an elegant appearance. The tires are tubeless, filled with a special gel, which has suspension characteristic very close to pumped wheels.

With the ability to dismantle both the wheels and their axles, the rehab buggy is smaller after folding, which facilitates its transport and storage.

Fig.8.12.



8.13. Quick-assembly mechanism for rear axle wheels

The mechanism is mounted inside the rear wheels and ensures quick assembly and removal of the rear wheels. It is launched by pressing the quick-release clamp downward towards the center of the wheel (see Fig. 8.13), then the rear wheel can be fitted to the rear wheel axle or the rear wheel can be taken off from the rear wheel axle.

Fig.8.13.



8.14. Assembly and disassemble of rear axle wheels

When attaching the rear wheel to the rear wheel axle, push the clamp on the center of the wheel and mount the wheel to the top of its axle (see Fig. 8.14). Then stop pressing on the clamp and continue inserting the wheel on its axle until it clicks. Correct mounting of the wheel means a clear "click" sound coming from the quick-release mechanism of the rear wheel axle.

To disassemble the rear wheel from the rear wheel axle, press the buckle on the center of the wheel and slide the wheel off its axle.

Fig.8.14.



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8.15. Quick-assembly rear wheel mechanism

The mechanism is mounted on the rear end of the frame, in contact with the cross-beam and ensures quick assembly and removal of the rear wheels. It is launched by pressing the quick-release button downward toward the ground (see Fig. 8.15). The wheel in this mechanism is mounted from the side, from the outside, through the horizontal opening.

Fig.8.15.



8.16. Assembly and disassembly of the rear wheels on the frame

8.16.1. Assembly of the rear wheels to the rehab buggy frame

Place both rear wheels together with their axles in the opening of the mechanism. Then press the quick-release button to allow the axle to slide, then slide the wheel with the axle into the hole until it clicks (see Fig.8.16.). The "click" sound comes from the appropriate mounting of the quick-wheel mechanism on the frame. To make sure that the assembly is correct, check that the wheel with the axle cannot slide out of the holes of the mechanism back outside.

During assembly of the rear wheels on the frame, make sure to hold the wheel at its inner rim and to not push on the quick-assembly clamp of the rear wheel axle as it poses a threat of automatic disassembly of the rear wheel from the rear wheel axle. 8.16.2. Removing the rear wheels from the rehab buggy frame. When disassembling the rear wheel from the rehab buggy frame, push the rear wheel quick-release button from the rehab buggy frame down toward the ground. Then, holding the wheel behind its inner rim, slide the wheel out along with its axle.

Fig.8.16.



8.17. Rear wheel suspension system

The rehab buggy is equipped with spring-loaded and rear wheel suspension, located at the rear ends of the frame, in contact with the cross-beam (see Fig. 8.17). It should not be regulated. Suspension is automatic.

Fig.8.17.





8.18. Ergonomic handle to push the rehab buggy

The handle (see Fig.8.18) is used to push the rehab buggy, providing a secure grip in a variety of driving conditions. It has the possibility of adjusting the height of the handle for the child's assistant pushing the rehab buggy.

Fig.8.18.



8.19. Angle adjustment mechanism for the pushing handle

These are two buttons on the outer side of the frame, located on the joints of the handle to push the rehab buggy (see Fig. 8.19.).

Fig.8.19.



8.20. Angular adjustment of the handle for pushing the rehab buggy

To change the tilting angle of the rehab buggy handle, push both knobs of the tilt angle adjustment mechanism of the pushing handle and change its tilt angle (see Fig.8.20.). When the handle is in the correct position, stop pressing the buttons, which will automatically lock the handle to the desired position.

Fig.8.20.



8.21. Central brake

The central brake pedal the pressing of which directly locks the two rear wheels of the rehab buggy, is located in the center of the cross-beam at the rear of the rehab buggy frame.).

Fig.8.21.



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8.22. Switching the central brake on and off

In order to activate the central brake, press the brake pedal down, towards the ground, until it clicks (see Fig.8.22). A clear "click" sound is proof of the central brake being activated correctly.

To switch off the central brake, pull the brake pedal up.



8.23. Tilting foot

The tilting foot is on the right side of the cross-beam at the rear of the rehab buggy frame (see Fig. 8.23). To use it, press the tilting foot and simultaneously pull the pushing handle of the rehab buggy, which in turn will raise the front of the rehab buggy with the front wheels.

Using the tilting foot facilitates the entry of the rehab buggy to small thresholds or curbs.



8.24. Frame clips for seat mounting

There are two colored, chrome, transverse hooks that are located on the rehab buggy frame in its center (see Fig. 8.24). These two frame rods are very important elements in the construction of the rehab buggy. They are used to connect the therapeutic seat with the backrest to the frame of the rehab buggy. In order to distinguish them from the gray frame reinforcements, they have been marked with a color so that the person assembling the seat to the frame, uses these colored hooks and does not make a mistake, and does not accidentally assemble the seat to the gray frame reinforcements, because it is forbidden and incorrect.

Fig.8.24.





8.25. Seat attachment mechanism for rehab buggy frame

The seat attachment mechanism for the rehab buggy frame is located in the rehab buggy seat, from below. It consists of:

a) transverse handle (see Fig.8.25, no. 4)

b) two locks of the mechanism (see Fig.8.25, no. 2

and 6)

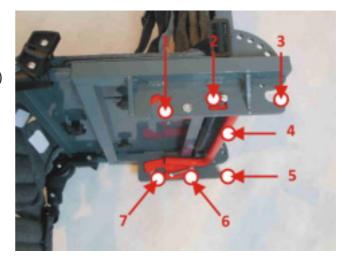
c) two front seat attachments (see Fig.8.25, no. 1

and 7)

d) two rear seat attachments (see Fig.8.25, no. 3

and 5)

It is used to mount the seat to the frame, keep the seat in the frame and to remove the seat from the frame of the rehab buggy.



8.25.1 Opening the lock in the seat attachment mechanism to the rehab buggy frame

To unlock the mechanism, pull the transverse handle backwards and open the lock (see Fig.8.25.1.-A), then continue pulling the transverse handle backwards and upwards, causing the lock to stop in an open position (see Fig.8.25.1.-B).



Fig.8.25.1.-B

Fig.8.25.



8.25.2. Closing the lock in the seat attachment mechanism to the rehab buggy frame

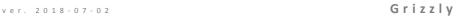
In order to close the lock mechanism, the seat must be mounted correctly on the rehab buggy frame (see section 8.26 Seat assembly), which will cause the lock to slam shut into a closed position (see Fig.8.25.2.).

Fig.8.25.2.

8.26. Seat assembly

The seat can be mounted to the front or to the direction of travel. To mount the seat to the frame, perform the following steps in the indicated order:

- a) activate the central brake so that the rehab buggy frame is stable and immobilized (see Fig.8.26.-A)
- b) set the rehab buggy frame hooks to the seat assembly in a 0° position (see Fig.8.26.-B and see 8.32. Angular seat adjustment)
- c) make sure that the seat attachment mechanism for the rehab buggy frame is in a position with an open lock (see Fig. 8.26.-C and see 8.25.1. Opening the lock in the seat attachment mechanism to the rehab buggy frame)





- d) then apply both REAR seat attachments to the first frame hook (see Fig.8.26.-D)
- e) then apply the two FRONT seat attachments to the other frame hook (see Fig.8.26.-E)
- f) then press both FRONT seat attachment to the other frame hook until there are two clicks (see Fig.8.26.-F).

The correct seating assembly is marked by the "click" sound coming from the two closing locks of the seat attachment mechanism to the frame of the rehab buggy.

Fig.8.26.-A - CORRECT



Fig.8.26.-B - CORRECT



Fig.8.26.-C - CORRECT



Fig.8.26.-D - CORRECT



Fig.8.26.-A' – WARNING, WRONG!



Fig.8.26.-B' - WARNING, WRONG!



Fig.8.26.-C' - WARNING, WRONG!



Fig.8.26.-D' - WARNING, WRONG!





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Fig.8.26.-E - CORRECT



Fig.8.26.-F - CORRECT



Fig.8.26.-E' - WARNING, WRONG!

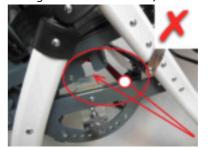


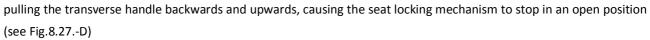
Fig.8.26.-F' - WARNING, WRONG!



8.27. Seat disassembly

To remove the seat from the frame, proceed as follows in the determined sequence:

- a) Activate the central brake so that the rehab buggy is stable and immobilized (see Fig.8.27.-A)
- b) set the seat inclination angle to a 0° position, i.e. the seat plane is set parallel to the ground (see Fig.8.27.-B and see 8.32. Angular seat adjustment)
- c) pull the transverse grip of the rear seat attachment mechanism backwards, which starts the opening of the locking of the seat attachment mechanism (see Fig.8.27.-C)
- d) pull the transverse handle of the attachment mechanism of the seat backward which starts the opening of the locking mechanism of the seat attachment, then continue



- e) then remove both FRONT attachments of the seat from the hooks of the frame, by lifting the front of the seat upwards, from the ground (see Fig.8.27.-E)
- f) then pull both REAR backrest attachment of the seat from the hooks of the frame, by lifting the back of the seat at an angle forward, to the front of the seat and up, from the ground (see Fig.8.27.-F)

Fig.8.27.-B



Fig.8.27.-C



Fig.8.27.-D







Fig.8.27.-E



Fig.8.27.-F



8.28. Adjustable therapeutic seat

The Grizzly rehab buggy has a multifunctional, adjustable therapeutic seat (see Fig.8.28.), which at the rear is connected with an adjustable backrest and an adjustable footrest at the front. Both the backrest and the accessories are covered with high quality upholstery available in various colors.

The therapeutic seat in the Grizzly rehab buggy has the following options:

a) change in the angle of inclination of the seat relative to the ground (see 8.32. Angular adjustment of the seat)

b) adjustment of the depth (see 8.29. Seat depth adjustment)

c) adjustment of the useable width (see 8.30. Seat width adjustment)

d) ilial stabilization (see 8.48. Restraint-stabilization belts)

e) maintenance of the child's limbs in an opposing position (see 8.54. Wedge)

f) and other functions according to user needs (see 7.3. Accessories)



Fig.8.28.



8.29. Seat depth adjustment

Seat depth adjustment can be accomplished by partially unscrewing (loosening) two knobs, which are located on the seat from the bottom (see Fig.8.29.-A), and then separating the seat back to the desired position (see Fig.8.29.-B). Be careful not to unscrew the knobs completely, as this will remove the lock and risk complete removal of the seat plates. After completing the adjustment, tighten both knobs until you feel the resistance (see Fig.8.29.-C).

The range of fluent adjustment of seat depth is about 120mm, where at the minimum setting, the seat depth is 25cm and at a maximum it is 37cm.



Fig.8.29.-A



Fig.8.29.-B



Fig.8.29.-C



8.30. Seat width adjustment

The seat width function can be used through accessories: hip supports with adjustment in three planes. The range of smooth adjustment of the seat width is from 180 to 320mm. If accessories are not purchased or the supports are not assembled, then the width of the seat itself is fixed at 400mm.

To change the width of the seat on which the hip supports are mounted (see 8.46 Hip supports adjustable in three planes), proceed as follows, in the given sequence:

- a) activate the central brake so that the rehab buggy is stable and immobilized
- b) partially unscrew (loosen) four knobs, on the lower seat from the bottom (see Fig.8.30.-A)
- c) separate the ilial support in width to the desired position (see Fig.8.30.-B)
- d) screw all four knobs until you feel the resistance (see Fig.8.30.-C)

Fig.8.30.-A



Fig.8.30.-B



Fig.8.30.-C









8.31. Mechanism of angle adjustment of the seat, so called cradle

Mechanism of the so-cradle is located on the rehab buggy frame (see Fig.8.31).

It consists of:

a) actuating handle (see Fig.8.31, no. 8)

b) right lock (pin mechanism under handle) (see Fig.8.31, no. 6)

c) right comb (see Fig.8.31, no. 7)

d) left lock (pin mechanism opposite right lock)

(see Fig.8.31, no. 4)

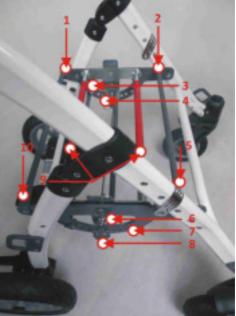
e) left comb (see Fig.8.31, no. 3)

f) two hooks for the frame for seat attachment (see Fig.8.31, no.9)

g) frame reinforcing elements (see Fig.8.31, no. 1, 2, 5 and 10)

The cradle serves to change the angle of the seat inclination with the backrest. It can be used in four positions, tilting the back seat by 0°, 10°, 20° and 30°, both when the seat is mounted to the front as well as the rear to the direction of travel.

Fig.8.31.



8.32. Angular adjustment of the seat

8.32.1 Angular adjustment of seat with a mounted seat

To change the seat tilting angle, follow the steps listed below in the given sequence:

- a) activate the central brake so that the rehab buggy is stable and immobilized (see Fig.8.32.-A)
- b) pull the actuator handle in the cradle mechanism away from the rehab buggy (see Fig.8.32.-B)
- c) and at the same time holding the backrest, slowly change the angle of inclination, tilting the seat to one of the four positions (see Fig.8.32.-C)
- d) then push the actuator handle towards the rehab buggy until it is in the starting position (see Fig.8.32.-D)
- e) when changing the tilt angle of the seat, make sure that the pins of both lockers penetrate deeply into both combs (right and left of the cradle mechanism) (see Fig.8.32.-E and Fig.8.32.-F)
- 8.32.2 Angular adjustment of the seat without an assembled seat

If the seat inclination angle was set to a position other than 0°, while the seat was disassembled from the rehab buggy frame, then before attaching the seat to the rehab buggy frame once again, you must first set the hooks of the frame themselves to mount the seat to position 0°.

To change the inclination angle of the hooks from the frame to the seat attachment, perform the following steps in the order indicated:

- a) Activate the central brake so that the rehab buggy is stable and immobilized
- b) pull the actuator handle in the cradle mechanism away from the rehab buggy
- c) At the same time, by holding the hooks of the seat mounting frame, slowly change the angle of their inclination by tilting the hooks to a 0° position, i.e. the hooks are set parallel to the ground
- d) then push the actuator handle towards the rehab buggy until it is in the starting position
- e) when changing the tilt angle of the hooks of the seat mounting frame, make sure that the pins of both lockers penetrate deeply into both combs (right and left of the cradle mechanism)



Fig.8.32.-A



Fig.8.32.-B



Fig.8.32.-C



Fig.8.32.-D



Fig.8.32.-E



Fig.8.32.-F



8.33. Adjustable backrest

Fig.8.33.

The Grizzly rehab buggy has a multifunctional, adjustable backrest that is attached to the back with a therapeutic seat. Both the backrest, the seat and the accessories are covered with high quality upholstery available in various colors. Grizzly's backrest has the options of:

a) Changes in the angle of inclination of the backrest relative to the seat (see 8.36. Angular adjustment of the backrest.)

b) adjustment of height (see 8.34. Adjustable backrest height)

c) head stabilization (see 8.44. Backrest supports) d) body stabilization (see 8.45. Thoracic and lumbar

supports)

e) and others according to user needs (see 7.3. Accessories)



8.34. Adjustable backrest height

The option of changing backrest height can be used through partial unscrewing (loosening) of two knobs on the backrest on the back (see Fig.8.34.-A), then moving the backrest to the desired position (see Fig.8.34.-B). Be careful not to unscrew the knobs completely, as this will remove the lock and cause risk of disassembling the backrest entirely. After the adjustment is complete, both knobs must be tightened to a noticeable resistance (see Fig. 8.34.-C). The range of regulation of backrest height is approximately 130mm, with a minimum backrest height of 57cm and a maximum height of 70cm.

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Fig.8.34.-A



Fig.8.34.-B



Fig.8.34.-C



8.35. Angle adjustment mechanism for the backrest

The angle adjustment mechanism of the backrest, i.e. tilting the backrest from a sitting position to a lying position, is located in two places: on the therapeutic seat and on the backrest itself (see Fig.8.35). It consists of:

a) an actuating handle (see Fig.8.35, no. 3)

b) a right and left lock connected by a metal cord (see Fig.8.35, no. 1

and 4)

d) right and left seat combs (see Fig.8.35, no. 2

and 5)

The angular backrest adjustment mechanism changes the position of the backrest against the therapeutic seat in six positions, starting from a sitting position at a right angle to an almost fully lying position. The angles between the backrest and the seat can be: 90°, 105°, 121,5°, 137°, 151,5° and 166,5° regardless of whether the seat is mounted facing front or rear to the direction of movement.

Fig.8.35.



8.36. Angular adjustment of the backrest

In order to change the angle of the backrest relative to the seat, perform the following steps in the order indicated:

- a) activate the central brake so that the rehab buggy is stable and immobilized (see Fig.8.36.-A)
- b) Release the backrest by slightly moving the entire backrest to a more seated position (see Fig. 8.36.-B)
- c) pull the actuator handle in the angle adjustment mechanism of the backrest from the bottom to the top of the backrest (see Fig.8.36.-C)
- d) and at the same time holding the backrest, slowly change its angle of inclination, tilting the backrest to one of the six desired positions (see Fig.8.36.-D)
- e) once the backrest has been positioned in the correct position, release the actuator handle, which will automatically return to the starting position (see Fig. 8.36.-E)

Fig.8.36.-A





f) after changing the backrest tilt angle, make sure that the pins from both locks penetrate deeply into both combs (right and left of the seat) (see Fig.8.36.-F and Fig.8.36.-G).

Each change of the tilt angle of the backrest requires re-adjustment of the length of the five-point harness.

Fig.8.36.-B



Fig.8.36.-C



Fig.8.36.-D



Fig.8.36.-E



Fig.8.36.-F



Fig.8.36.-G



8.37. Five-point harness

The Grizzly rehab buggy is fitted as standard with professional fivepoint harness. The belts have already been factory fitted to the rehab buggy and should not be dismantled as they serve to safely carry the child, prevent it from slipping out, and also help to stabilize the hips and body of the child.

The belt buckle (see Fig.8.37.-A, no. 5) makes it easy for the child to get in and out. The sliding adjusters that are responsible for adjusting the length of the harness are located on the right and left harness and on the fastening clasp. (see Fig.8.37.-A, no. 3, 4 and 6).

Before putting on the five-point harness on the child, they must be adjusted - see 8.38. Adjustment of five-point harness.

In order to put the five-point harness on the child, put the straps on the child (see Fig.8.37.-A, no. 1 and 2) from the right and left side (see Fig.8.37.-B), then attach both straps to the belt buckle that is attached to the seat (see Fig.8.37.-C).

Fig.8.37.-A







In order to take off the five-point harness, you should push the button on the buckle, pull both straps out of the buckle and slowly pull the straps on the right and left sides of the child.

Fig.8.37.-B



Fig.8.37.-C



8.38. Adjustment of five-point harness

To adjust the length of the belts, move the adjusters up or down the straps and move the pads accordingly (see Fig.8.38.-A).

In order to adjust the height of straps mounting to the backrest, attach the fastening of the harnesses from low mounting to high or vice versa (see Fig.8.38.-B).

Each change of the backrest tilt angle requires readjustment of the five-point harness length.

Fig.8.38.-A



Fig.8.38.-B



8.39. Adjustable footrest

The adjustable footrest (see Fig.8.39) belongs to the standard equipment of the Grizzly rehab buggy.

It consists of a footrest plate bolted to the footrest rack with screws, with the possibility of moving the plate up or down in 8 positions, to adjust the footrest height to the length of the lower leg of the child, ranging from 23cm to 40cm. It also has two rotary knobs that adjust the angle of the footrest plate itself, in the range of +/- 15°, for optimal tilting of the footrest to bend the child's foot in his tarsus. On the footrest plate, there are straps attaching the feet of the child. It is recommended to use them when using the rehab buggy.

Fig.8.39.



8.40. Adjustable footrest plate height.

8.40.1 To adjust the footrest, you need the following tool: cross-head screwdriver.

8.40.2. To change the height of the footrest, remove two screws fixing the footrest plate to its rack with a cross-head screwdriver, on both sides of the footrest, then set the footplate at the correct height and screw it back with both screws, tightening it with a cross-head screwdriver until the resistance is noticeable (see Fig.8.40.-A).

Fig.8.40.-A





Fig.8.40.-B

It is recommended to place the footrest plate at such a height so that the child's feet can be placed on it and at the same time thighs of the child were located to the plane of the seat in parallel.

As a rule, the footrest plate is in a horizontal position. However, during transportation, storage, rehabilitation, getting on and getting out of the Grizzly rehab buggy, the footrest plate must be folded and turned to the rack of the footrest plate (see Fig.8.40.-B).



Fig.8.41.

8.41. Angular adjustment of footplate.

To change the tilt angle of the footrest plate, slightly turn the two knobs on either side of the footrest, then adjust the angle of inclination of the footrest plate and screw both knobs back until the resistance is noticeable (see Fig.8.41.).

COL

8.42. Angular adjustment mechanism for the whole footrest

The mechanism is located in the front of the seat and connects it to the footrest frame. There are two plastic black swivels with buttons in the middle (see Fig.8.42). This mechanism is used to change the tilting angle of the footrest relative to the seat, allowing to select the appropriate position out of the ten available.



8.43. Angular adjustment of the entire footrest.

To change the angle of the footrest, press the angular adjustment mechanism buttons of the footrest on both sides, then adjust the position and release the buttons (see Fig.8.43.).

Fig.8.43.







8.44. Adjustable headrest supports in three planes (accessories)

The Grizzly rehab buggy can be fitted with headrests which, in the case of specific indications, provide additional stabilization to the head. With this option, regulation of the free space in the head area is controlled by the movement of the headrest supports in three planes:

- a) to the right and to the left and diagonally, along the plane of the backrest (see Fig. 8.44.-A)
- b) up and down and diagonally, along the plane of the backrest (see Fig.8.44.-B)
- c) to the front and back and diagonally, perpendicular to the backrest plane (see Fig.8.44.-C)

The regulation of the right and left headrest supports can be adjusted symmetrically or independently, depending on the individual needs of the child.

Assembly and disassembly of the headrest supports is equivalent to their adjustment, which is detailed below.

To adjust the headrest supports along the backrest plane (adjustment right, left, up, and down), slide the upholstery clasp on the front and back of the backrest, then unscrew two knobs for each of the headrest supports. These knobs are located on the back of the backrest, in the inner guides for the headrest supports (see Fig.8.44.-D). Then you can move the headrest supports into a suitable and safe place on the front of the backrest. After setting the headrest supports in the desired position, screw each of them back with two knobs, tightening them until the resistance is noticeable. Finally, fasten the upholstery clasp on the front and back of the backrest.

Fig.8.44.-A



Fig.8.44.-B



Fig.8.44.-C



Fig.8.44.-D



Fig.8.44.-E

To adjust the headrest supports perpendicularly to the backrest plane (forward and backward adjustment), unscrew two other knobs for each of the headrest supports. These knobs are located on the sole supports of the headrest on the outside (see Fig. 8.44.-E). Then proceed as in the case of adjusting the headrest supports along the backrest plane.



8.45. Thoracic and lumbar supports with adjustment in three planes (accessories)

The Grizzly rehab buggy can be fitted with thoracolumbar supports, in the case of specific indications, further stabilize the child's torso. In this case, the option of adjustment of the free space within the body is achieved by the movement of the thoracolumbar supports in three planes:

- a) to the right and to the left and diagonally, along the plane of the backrest (see Fig. 8.45.-A)
- b) up and down and diagonally, along the plane of the backrest (see Fig.8.45.-B)



c) to the front and back and diagonally, perpendicular to the backrest plane (see Fig.8.45.-C)

The right and left thoracolumbar supports can be adjusted symmetrically or independently, depending on the individual needs of the child.

The assembly and disassembly of the thoracolumbar supports is equivalent to their adjustment, which is detailed below.

To adjust the thoracolumbar supports along the backrest plane (right, left, up, and down), slide the upholstery clasp on the front and back of the backrest, and then unscrew two knobs for each of the thoracolumbar supports. These knobs are located on the back of the backrest, in the guides for the thoracolumbar supports (see Fig.8.45.-D). Then you can move the thoracolumbar support into a suitable and safe place for the child on the front of the backrest. After setting the thoracolumbar supports in the desired position, screw each of them back with two knobs, tightening them until you feel the resistance. Finally place the upholstery clasp on the front and back of the backrest.

Fig.8.45.-A Fig.8.45.-B Fig.8.45.-C Fig.8.45.-

D









Fig.8.45.-

Ε

In order to adjust the thoracolumbar supports perpendicular to the backrest plane (backward and forward adjustment), unscrew two other knobs for each of the thoracolumbar supports. These knobs are located on the thoracolumbar supports, on their outside (see Fig.8.45.-E). Then proceed as in the case of the thoracolumbar supports adjustment along the backrest plane.



8.46. Hip supports adjustable in three planes (accessories)

The Grizzly rehab buggy can be fitted with hip supports. Mounting and adjusting the hip supports to the right and left determines the usable width of the seat (see 8.30 Seat width adjustment). For specific indications, the hip supports also stabilize the child's hips. In this case, the regulation of the ilial area is achieved by moving the hip supports in three planes:

- a) to the right and left and diagonally, along the plane of the seat (see Fig.8.46.-A)
- b) to the front and the back and diagonally, along the plane of the seat (see Fig.8.46.-B)
- c) up and down and diagonally, perpendicular to the plane of the seat (see Fig.8.46.-C)





The right and left hip supports can be adjusted symmetrically or independently, depending on the individual needs of the child.

Assembling and disassembling the hip supports is equivalent to their regulation, which is described in detail below.

To adjust the hip supports along the seat plane (right, left, front and back adjustment), pull the upholstery clasp on the upper side of the seat and then unscrew two knobs for each of the hip supports. These knobs are located on the underside of the seat in the guides for hip supports (see Fig.8.46.-D). Be careful not to confuse them with the two knobs fixing the seat plates. Then you can move the hip supports into a place on the seat that is suitable and safe or the child. After setting the hip supports in the desired position, screw each of them with two knobs, tightening them until you feel the resistance. Finally place the upholstery clasp on the upper side of the seat.

Fig.8.46.-A



Fig.8.46.-B



Fig.8.46.-C



Fig.8.46.-D



Fig.8.46.-E

To adjust the hips perpendicular to the plane of the seat (up and down adjustment), unscrew two other knobs for each of the hip supports. These knobs are located on the hips supports, on their outside (see Fig.8.46.-E). Then proceed as in the case of adjusting the hip supports along the seat plane.



8.47. Side elements of the backrest (accessories)

These are two elements that can be attached to the backrest to limit the child's tilt beyond the backrest (see Fig. 8.47.-A). They also play a role in protecting your child's clothing from dirt.

They are fitted with four knobs (two to one elements of the side support) in the external guides of the backrest (see Fig.8.47.-B).

The backrest elements are adjustable in three planes, as are the supports (see 8.45, Thoracolumbar supports), but within a limited range.

Fig.8.47.-A



Fig.8.47.-B





8.48. Abduction & Stabilization harness (accessories)

The restraint and stabilization belts (see Fig.8.48.-A) are used for additional stabilization of the hips and prevention of the child from slipping off the rehab buggy. The correct way to use them is to place such a clasp on the child's thigh so that their hips adheres as close as possible to the backrest. This will ensure a healthier and more comfortable position of the child in the rehab buggy.

The restraint and stabilization belts are fitted to the therapeutic seat in four places:

a) the back straps of the harness are fastened to the seat with two knobs, from the bottom (see Fig.8.48.-B), the front straps of the harness are fastened to the front openings of the seat combs (see Fig. 8.48.-C) to each of them using two plastic elements (see from Fig. 8.48.-D to Fig. 8.48.-I).



Fig.8.48.-A

To adjust the length of the restraint and stabilization belts, move the regulators on the front straps up or down (see Fig.8.48.-G).

To put the restraint-stabilization belts on the child, place the child on the mounted straps, then wrap the child's leg and fasten both clasps of the strap to both front harnesses.

In order to remove the restraint-stabilization harness from the child, unfasten the two clasps from the front straps.



Fig.8.48.-C



Fig.8.48.-D



Fig.8.48.-E



Fig.8.48.-F



Fig.8.48.-H



Fig.8.48.-I











8.49. Protective barrier (accessories; put in the place of the therapeutic table)

The Grizzly rehab buggy can be fitted with a safety barrier (see Fig.8.49.-A), which in the case of specific recommendations prevents the child from falling forward.

The safety barrier is fitted with the same fixings as the therapeutic table, so you cannot use both of them at the same time. The fixing the safety barrier or the therapeutic table are two plastic elements, with vertical holes, located on the outer sides of the seat.

To install the safety barrier, press two buttons on the tubes from the barrier and simultaneously push the tubes into the vertical holes until they click (see Fig.8.49.-B). The railing will be properly installed only when the tubes from the barrier are properly inserted into the vertical fixing holes. This is evidenced by a clear "click" sound coming from a correctly fixing barrier.

To remove the barriers, press two buttons on tubes going from the barrier and at the same time pull out the barrier.

Fig.8.49.-A Fig.8.49.-B





8.50. Adjustable canopy with window (accessories)

The Grizzly rehab buggy can be fitted with an adjustable canopy with a window that helps protect your child from the sun or the rain. The elements of the canopy are:

a) rear arch of the canopy frame (see Fig.8.50.-A, no.

7)

b) front arch of the canopy (see Fig.8.50.-A, no.

8)

c) canopy adjustment mechanism (right and left)

(see Fig.8.50.-A, no. 3

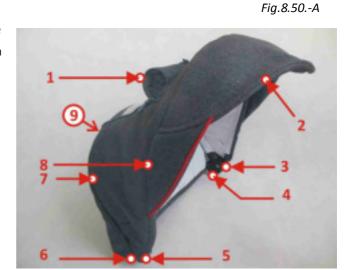
and 5)

- d) two clasps with red buttons fixing the canopy (see Fig.8.50.-A, no. 4 and 6)
- e) canopy (see Fig.8.50.-A, no. 2)

f) window with a zipper

(see Fig.8.50.-A, no. 1)

g) rear canopy pocket (see Fig.8.50.-A, no. 9)



The fixing of the adjustable canopy with a window are two plastic elements on the outer sides of the upper backrest. These fixings are used to mount the canopy with a window.

To adjust the adjustable canopy with the window, place the backrest in an upright position (see 8.36. Angular adjustment of the backrest.), and then collaterally slide the two clasps of the canopy to the fixings on the backrest (see Fig.8.50.-B). To remove the adjustable canopy with the window, press two red buttons on the roof fixing clasps and slide these clasps out of the fixings on the backrest.





Grizzly

To change the size of the canopy's surface, grasp the front arch and rear arch of the canopy and, moving the two arches apart or towards each other, set the desired position (see Fig.8.50.-C). The surface adjustment mechanism of the canopy slams automatically.

In addition, you can tilt or hide the canopy (see Fig.8.50.-D).

The special feature of the canopy is a window, which allows continuous eye contact with the child (see Fig.8.50.-A, no.1). The window opens and closes with a zipper.

The back pocket of the canopy is used to store a raincoat or a mosquito net (see Fig. 8.50.-A, no. 9).

Fig.8.50.-B



Fig.8.50.-C



Fig.8.50.-D



8.51. Therapeutic table (accessories; placed in the place of the safety barrier)

The Grizzly Rehab buggy can be equipped with an anti-slip therapeutic table (see Fig. 8.51.-A), whose maximum load is 3kg.

The therapeutic table is mounted with the same fixings as the safety barrier, so you cannot use both of them at the same

The fixings of the therapeutic table or safety barrier are made up of two plastic elements, with vertical holes, located on the outer sides of the seat (see Fig.8.51.-B).









In order to assemble the therapeutic table, press two buttons on the tubes coming from the table and simultaneously push the tubes from the table into the vertical holes until they click. The table will be properly installed only when the tubes coming from the table are properly inserted into the vertical mounting holes of the table. This is evidenced by a distinct "click" sound coming from a proper fixing of the table.

To disassemble the table, press two buttons on the table and simultaneously slide the table out.

Fig.8.52.

8.52. Travel bag (accessories)

The large and elegant travel bag is mounted on two handles located on the inside of the handle for pushing the rehab buggy (see Fig.8.52).

Maximum bag load is 2kg.



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Fig.8.53

. 8.53. Shopping basket (accessories)

The Grizzly rehab buggy can be equipped with a shopping basket (see Fig.8.53.), which is used to transport small, everyday items, shock-resistant, resistant to impact, bruises, water and dirt.

It is mounted in the lower part of the rehab buggy by wrapping it on the rehab buggy frame and fastening with a zipper.

The maximum load for the shopping basket is 3kg.

8.54. Wedge (accessories)

The Grizzly rehab buggy can be fitted with a wedge (see Fig.8.54.-A), which, for specific indications, provides for the abduction (sideways) of the child's lower limbs from their body.

The wedge is mounted in the front of the seat, by inserting two wedge fixings to the holes in the seat plate and by screwing one of them with a knob (see Fig. 8.54.-B).





Fig.8.54.-B



8.55. Rain cover (accessories; placed on the adjustable booth with a window)

The Grizzly rehab buggy can be fitted with a rain cover to help protect your child from moisture. These accessories require mounting to other accessories. For the installation of the rain cover, apply it from the top to the adjustable canopy with a window (see Fig. 8.55.-A) and then place the cover on the seat of the rehab buggy and the footrest (see Fig. 8.55.-B).

The rain cover can be stored in the back pocket of the canopy.

Fig.8.55.-A



Fig.8.55.-B



Two winter gloves that enhance the comfort of the child's assistant during cooler weather can be fitted on the handle for pushing the chair (see Fig. 8.56.-B). First, you need to place two material clamps and fasten them with a Velcro on the pushing handle (see Fig. 8.56.-A), then place the gloves on the material clamps and tie them together with poppers.

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Fig.8.56.-B





8.57. Sleeping bag for legs (accessories; installed on the security barrier)

The Grizzly rehab buggy can be fitted with a sleeping bag for legs to help maintain the child's comfort in cooler weather (see Fig. 8.57.-B). These accessories require mounting to other accessories.

To install the sleeping bag for legs, place it on the footrest from the bottom, and slide it over the safety barrier from above (see Fig. 8.57.-A), then attach it to the rehab buggy frame.





8.58. Mosquito net (accessories; placed on the adjustable booth with a window)

The Grizzly rehab buggy can be fitted with a mosquito net that makes prevents mosquitos from coming in contact with the child. These accessories require mounting to other accessories. In order to mount the mosquito net, it must be placed from the top on the entire adjustable canopy with a window (see Fig.8.58.-A), then cover the seat and footrest with the mosquito net (see Fig.8.58.-B).

The mosquito net can be stored in the back pocket of the canopy.





8.59. Umbrella (accessories)

The Grizzly rehab buggy can be fitted with an umbrella (see Fig. 8.59.-B), which helps to protect the child from the sun.

For mounting the sun umbrella, attach the umbrella handle to the rehab buggy frame (see Fig. 8.59.-A) and slide the umbrella into the handle.



Fig.8.59.-A









8.60. Exclusive decorative set - Grizzly Bear (accessories; mounted to other accessories)

Fig.8.60.

The Grizzly rehab buggy can be equipped with a decorative set - the Grizzly Bear, which makes the rehab buggy look more attractive, providing a more childlike appearance, rather than medical. These accessories require mounting to other accessories. The Grizzly Bear (see Fig.8.60.) contains material covers:

- a) an additional set of exclusive winter gloves worn on the pushing handle
- b) merry teddy bear ears placed over the adjustable canopy with a window
- c) a longitudinal cover placed on the safety barrier
- d) two teddy bear covers put on the headrest supports
- e) two teddy bear covers for thoracolumbar supports
- f) two teddy bear covers placed on the hip supports



9. Technical specification

Product	MyWam Kupiec, Bartold, Angres spółka jawna (general partnership)	_
Address	ul. Szczecińska 10, 41-516 Chorzów, Poland	
Туре	Special rehab buggy for children	
Model	Grizzly	



No.		Description Values			
1		Backrest height, min - max	570 mm	700 mm	
2		Headrest support mounting height, min – max stabilization	350 mm	700 mm	
3	BASKREST	Spacing of the backrest supports, min – max stabilization	180 mm	340 mm	
4	BASK	Mounting height of the thoracolumbar support, min – max stabilization	110 mm	490 mm	
5		Spacing of the thoracolumbar supports, min – max stabilization	170 mm	350 mm	
6		Maximum backrest width (without thoracolumbar supports)	340 mm		
7		Change of seat direction		Yes	
8	ST	Spacing of hip supports, min – max stabilization	170 mm	350 mm	
9	OTRE	Maximum seat width (without hip supports)	400	mm	
10	ID FO	Seat usable width, min - max	250 mm	370 mm	
11	SEAT AND FOOTREST	NA LA		8 positions:	
11	SE	Distance of footrest from seat, min - max	230 mm	- 405 mm	
12		Footrest width	230 mm		
13	ES	Plane inclination angle of the seat - so-called cradle	4 positions: 0°/	10° / 20° / 30°	
14	ANGLES	Angle between seat and backrest - backrest inclination to the back		6 positions: 90° / 105° / 121,5° /	
14				137° / 151,5° / 166,5°	





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15		Angle between seat and footrest - angle adjustment of entire footrest	10 po	sitions	
16		Maximum user weight 43 kg		kg	
17	OAD	Maximum basket capacity	5	kg	
18	MAX LOAD	Maximum travel bag capacity	2	kg	
19	2	Maximum rehab buggy load (user weight + extra load weight) 45 kg		kg	
		Total weight of the rehab buggy (weight of the rehab buggy frame and the therapeutic seat with			
20		backrest, without accessories)	17	kg	
21		weight of the rehab buggy frame and the therapeutic seat with backrest and all, complete	24 kg		
22		accessories)	10	51.	
22		Weight of the heaviest element-rehab buggy frame with wheels	10,	5 kg	
23		Weight of parts that can be disassembled or taken off: front wheel / rear wheel / seat with	0,8 kg / 1	kg / 6 kg	
24		backrest	000	1220	
24		Rehab buggy pushing handle height, min – max distance from the ground	880 mm	1230 mm	
25	S	Height of the front edge of seat, min – max distance from the ground	520 mm	650 mm	
26	ISION	Rear wheel diameter	285 mm		
27	IMEN	Front wheel diameter	185	mm	
	WHEELLCHAIR DIMENSIONS	Maximum total length of buggy (footrest unfolded, backrest in lying position in maximal height			
28	ELLCF	position, handle for pushing buggy in horizontal position)	1330) mm	
	WHEI	Minimum total length of buggy (folded footrest, backrest in sitting position in minimum height			
29		setting, handle for pushing buggy in vertical position)	760 mm		
30		Total rehab buggy height, without canopy with window / with canopy with window	1230 mm	1430 mm	
31		Total rehab buggy width 655 mm		mm	
22		Length of rehab buggy folded for transport or storage (without accessories),	6 075	D 025	
32		separate seat (S) and separate frame (R)	S: 875 mm	R: 835 mm	
22		Width of rehab buggy folded for transport or storage (without accessories),	S: 460 mm	D. CEE man	
33		separate seat (S) and separate frame (R)	5: 460 mm	R: 655 mm	
34		Height of rehab buggy folded for transport or storage (without accessories),	S: 190 mm	R: 350 mm	
54		separate seat (S) and separate frame (R)	3. 190 111111	K. 550 IIIII	
35		Static stability of the rehab buggy placed upwards and up (for seat placed with front/back facing	16°/11°		
33	≰	the movement direction)	10	/ 11	
36	'L DA	Static stability of the rehab buggy placed backwards and up	10° / 22°		
50	INICA	(for seat placed with front/back facing the movement direction)			
37	OTHER TECHNICAL DATA	Static stability of the rehab buggy placed sideways and up	16° / 16°		
	THER	(for seat placed with front/back facing the movement direction)		10 / 10	
38	0	Storage and use temperature	+10° C do +35° C		
39		Air humidity for storage and use	30%	- 70%	
		THE MANUFACTURER RESERVES THE RIGHT TO INTRODUCE CHANGES OF TECHNICAL PAR	AMETERS.		
		MEASUREMENT VALUE TOLERANCE +/- 15MM, +/- 1,5KG, +/- 1°.			

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9.2. Composition of the rehab buggy: powder coated steel and aluminum, 100% polyester and plastic (PP, PCV, ABS, PA, PE, PU).

10. Delivery and tools

10.1. The Grizzly rehab buggy is delivered in a carton and pre-assembled. The original packaging should include the following items:

10.1.1. folded frame of the rehab buggy, which consists of:

- Mechanism of frame assembly (assembled)- Transport lock (assembled)

- Front wheels, swivel, full (removed, packed in this carton separately)

- Mechanism of quick disassembly of front wheels- Front wheel drive lock (assembled)

- Rear wheels, full (removed, packed in this carton separately)

- Quick- assembly mechanism for rear axle wheels (assembled)

- Quick-assembly mechanism for rear wheels Quick-assembly mechanism for rear wheels (assembled)

Rear wheel suspension system (assembled)Ergonomic handle to push the rehab buggy (assembled)

- Mechanism of angular pushing handle adjustment of the rehab buggy (assembled)

Central brake (assembled)
 Tilting foot (assembled)
 Frame hooks for seat mounting (assembled)
 Mechanism of seat angular adjustment, so-called cradle (assembled)

10.1.2. Multifunctional therapeutic seat with backrest, which includes:

Adjustable therapeutic seat (assembled)
 Seat attachment mechanism for rehab buggy frame (assembled)
 Adjustable backrest (assembled)
 Angular adjustment mechanism for backrest (assembled)
 Five-point harness (assembled)
 Adjustable footrest (assembled)
 Angular adjustment mechanism for the whole footrest (assembled)

10.1.3. User manual with warranty card

10.1.4. accessories compatible with the order

- 10.2. Before use, make sure that you have all the items in the carton and none of them have been damaged, e.g. during transport.
- 10.3. If you find that something is missing or damaged in your carton, contact the Seller and the Manufacturer to obtain the missing items or replace the product with a new, complete and functional one.
- 10.4. The multifunctionality and very rich equipment of the Grizzly rehab buggy allows to adjust the rehab buggy to the user's personal needs. To do this, read the entire manual carefully prior to use.
- 10.5. No tools are needed to assemble or dismantle the Grizzly rehab buggy.
- 10.6. With the exception of foot height adjustment, no tools are required to operate and adjust the Grizzly rehab buggy.
- 10.7. To adjust the footrest height, you need the following tool: cross-head screwdriver.



11. Assembly and disassembly

- 11.1. The product is pre-assembled in an original carton. Finish the assembly by performing the following:
- a) unfold the rehab buggy frame (for a detailed description see Chapter 8.2. Unfolding the rehab buggy frame)
- b) Install the front wheels and rear wheels to the rehab buggy frame for a detailed description see Chapter 8.8. Assembly of front wheels and 8.16. Assembly and disassembly of rear wheels on the frame)
- c) mount the seat with the backrest to the rehab buggy frame (for a detailed description see Chapter 8.26. Seat assembly)
- d) mount appropriate accessories (for a detailed description see Chapter 7.3. Accessories)
- 11.2. In order to dismantle the rehab buggy:
- a) dismantle all accessories (for a detailed description see Chapter 7.3. Accessories)
- b) dismantle seat with the backrest from the rehab buggy frame (for a detailed description see Chapter. 8.27. Seat disassembly)
- c) disassemble the front wheels and rear wheels from the rehab buggy frame (for a detailed description see Chapter
- 8.9. Disassembly of front wheels and 8.16. Assembly and disassembly of the rear wheels on the frame)
- d) fold rehab buggy frame (for a detailed description see Chapter 8.3. Assembly of rehab buggy frame)

12. Preparation for use

- 12.1. Before using the rehab buggy, make sure the child's shoes are comfortable and stabilizes the ankle joint well.
- 12.2. Before using the rehab buggy, make sure that the child is not in the rehab buggy without the clothes protecting the body at the point of contact with the upholstery of the rehab buggy. This is to counteract abrasions of the child's body and due to hygienic reasons.
- 12.3. For children who have problems with continence, a special bed pad should be placed on the rehab buggy seat, which can be purchased in pharmacies or medical outlets.
- 12.4. When using any additional help such as catheters, drains, bags, urethral sounds, etc., ensure that they are well protected against falling out, tearing, clenching and do not interfere with the use of the rehab buggy.
- 12.5. Follow all steps listed below to begin proper use of the rehab buggy:
- 12.5.1. Check the technical condition of the rehab buggy and all its components, and if the technical condition of the rehab buggy or its individual component is bad or the user has any doubts, then the rehab buggy must not be used. Please contact the Seller and the Manufacturer.
- 12.5.2. Place the rehab buggy on a flat and secure surface.
- 12.5.3. Properly dismantle the rehab buggy (see Chapter 11. Assembly and disassembly).
- 12.5.4. Activate the central brake.
- 12.5.5. Make all adjustments to the rehab buggy (see section 8. Detailed description of construction and regulation):
- a) Activate / deactivate the front wheel drive lock
- b) Adjust the height of the rehab buggy pushing handle
- c) adjust the seat depth
- d) adjust usable seat width

- as far as equipment is available

- e) set the angle of seat inclination
- f) adjust backrest height
- g) adjust inclination angle of backrest
- h) adjust the length the five-point harness
- i) adjust footrest height
- j) set the angle of footrest inclination





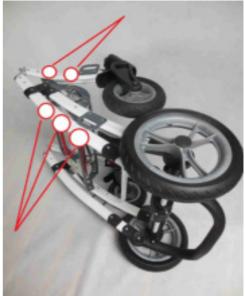
Fig.13.5.

- k) adjust headrest supports
- I) adjust thoracolumbar support
- m) adjust hip supports
- o) adjust restraint-stabilization harness
- o) adjust canopy with window

- as far as equipment is available
- 12.5.6. Remove the safety barrier and therapeutic table, if available and mounted on the rehab buggy.
- 12.5.7. Prepare five-point harness, straps on the footrest and restraint-stabilizing belts for assembly, provided this equipment is available.
- 12.5.8. Place the child in a rehab buggy and make sure that all the adjustments made are suitable and safe for the child.
- 12.5.9. Put the five-point harness and straps on the footrest.
- 12.5.10. Place other necessary rehab buggy accessories on child, if available.

13. Transport of rehab buggy

- 13.1. The best way to transport the rehab buggy is to drive it using its wheels.
- 13.2. In cases where it is not possible (for example, transporting the rehab buggy in a car), for safety reasons, the rehab buggy can only be lifted and moved in parts: separately transport the folded rehab buggy frame, separately transport the therapeutic seat with the backrest and separately transport the dismounted accessories.
- 13.3. For safety reasons, when moving or lifting the rehab buggy frame, it is recommended to dismantle all four wheels and move them separately from the frame without the wheels to reduce the load.
- 13.4. When carrying or lifting the rehab buggy frame with assembled wheels, caution must be undertaken because the weight of this element exceeds 10kg.
- 13.5. When transporting or lifting the rehab buggy frame with assembled wheels, fold the rehab buggy frame and then hold the rehab buggy frame only by solid frame elements (see Fig.13.5).

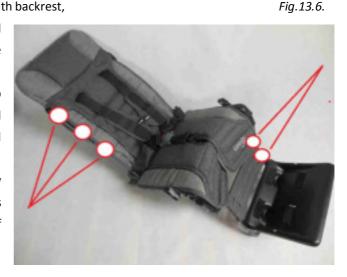


13.6. When transporting or lifting the therapeutic seat with backrest,

hold the therapeutic seat with backrest only by the solid elements of the therapeutic seat with backrest (see Fig.13.6).

13.7. For safety reasons, do not lift the whole rehab buggy, i.e. the therapeutic seat with backrest, assembled to the rehab buggy frame and assembled with additional equipment, as it may damage your health.

13.8. Do not lift the rehab buggy by its footrest or safety barrier, therapeutic table, or any other accessory, as this could damage the product and endanger the safety of others from the environment.



14. Getting in and out of the rehab buggy

14.1. When getting in and out of the rehab buggy, place the rehab buggy as close as possible to a stable and safe place to which the user will be changing their position. Once you are sure that the central brake is active and the footplate is lifted up to avoid standing on it, the user can change their position.

15. Correct position in the rehab buggy

15.1. For safety and health reasons, it is recommended that the user places the hips and back as close to the backrest as possible for even support of the spine (optimum support for all parts of the spine so that no free space is created).

15.2. The thighs should have support on the largest area possible, at their full length, this is enabled adjustment of seat depth of the rehab buggy (see 8.29 Seat depth adjustment).

16. Driving the rehab buggy

- 16.1. During use, always hold the pushing handle to prevent the rehab buggy from coasting.
- 16.2. Release the central brake while holding the pushing handle and push the rehab buggy in a safe direction.
- 16.3. Depending on the setting, the therapeutic seat with backrest can be set with its front or rear to the direction of movement (see 8.26. Seat assembly).

17. Moving on sloping surfaces

- 17.1. When moving on inclinations or ramps, always place the rehab buggy in a frontal position to the direction of travel.
- 17.2. Reduce speed on sloping surfaces and move as slowly as possible.
- 17.3. The assistant pushing the rehab buggy (parent, guardian) must have appropriate strength to control the stability of the rehab buggy.

18. Overcoming thresholds or curbs

18.1. When crossing small obstacles (small thresholds, small curbs, etc.), press the tilting foot and the rehab buggy pushing handle both down toward the ground to lift the front wheels of the rehab buggy and carefully drive on to the obstacle with the front wheels. Then slowly pull the pushing handle up, away from the ground to lift the rear wheels of the rehab buggy and carefully drive the rear wheels on the obstacle.



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19. Transport by car and other vehicles

- 19.1. In order to transport the rehab buggy by car, all accessories must be removed from the rehab buggy (see Chapter 8 for a detailed description of the construction and adjustment of the rehab buggy) and stored in a safe place. Then dismantle the rehab buggy (see Chapter 11. Assembly and disassembly) and place it in the trunk.
- 19.2. If the rehab buggy is not in the trunk separated from the passenger compartment, the rehab buggy frame must be securely attached to the vehicle. For this purpose, you can use unused seat belts.
- 19.3. In order to transport the buggy in other vehicles, such as trains, trams, buses, planes, ships, etc., please ask the persons responsible for transport in these means of transport, for the conditions of safe travel to the destination with the buggy and appropriate requirements.
- 19.4. In order to transport the buggy in other vehicles, remove all accessories from the buggy (see chapter 8. Detailed description of construction and adjustment) and store them in a safe place. Then dismount the buggy (see chapter 11. Assembly and disassembly) and place it in the trunk of the vehicle concerned.
- 19.5. If the disassembled buggy is not in the trunk of the vehicle separated from the passenger compartment, the frame of the buggy should be firmly attached to the vehicle. For this purpose, unused seat belts can be used.

20. Using the buggy as a seat in a motor vehicle

The Grizzly buggy was tested in March 2018 in accordance with PN ISO 7176-19:2007. This standard defines the design and usability requirements and associated buggy testing methods for use as a seat in motor vehicles. During this test, the buggy is tested both statically and in a dynamic test. The dynamic test consists in simulation of a frontal collision of a mechanical vehicle in a laboratory environment, in which the buggy is used as a seat for transporting a child. Both the buggy and the child transported in it must be secured in accordance with guidelines given by the standard. The result of the Grizzly buggy test was positive. The Grizzly buggy thus fulfilled the requirements of PN ISO 7176-19: 2007 norm, which was confirmed by the results of research from March 2018 carried out at the Industrial Vehicle Safety Laboratory of the Automotive Institute in Warsaw.

20.1. Basic assumptions of standard PN ISO 7176-19:2007:

- 20.1.1. Determination of design requirements and methods of buggy tests intended for use as a seat in motor vehicles.
- 20.1.2. The requirements for mechanical tests, specified in PN ISO 7176-19:2007 are representative for the conditions that occur during a vehicle collision with a mounted buggy facing forward at 48 km/h.
- 20.1.3. It is required that the buggy be fastened in the vehicle with effective protection during frontal collision in the form of a four-point fastening system in accordance with ISO 10542 and the child be additionally fastened with a hip and chest belt that meets the requirements described in PN ISO 7176-19: 2007. Both the four-point belt fastening system as well as the chest and hip belts are not accessories of the Grizzly buggy, nor are they enclosed by the Manufacturer, but comprise the equipment of an adapted motor vehicle.
- 20.1.4. Design changes of the buggy and user's movements related to the collision must be within the assumptions described in the PN ISO 7176-19:2007 standard.



20.2. Grizzly buggy labeling and guidelines for mounting a Grizzly buggy in a motor vehicle for use as a seat.

20.2.1. The Grizzly buggy is equipped with labels with symbols indicating the location of the security points for four-point belt clamping types. Securing points are placed on each leg of the buggy and are gray (see Fig. 20.2.1. Hook).

Fig. 20.2.1. Hook



- 20.2.2. The buggy is designed in such a way that when it is used as a seat in a motor vehicle, it is directed forward.
- 20.2.3. The buggy meets the requirements specified in standard PN ISO7176-19:2007.
- 20.2.4. Users of the buggy should move to the vehicle seat and use the security system installed in the vehicle only when it is feasible.
- 20.2.5. When using the Grizzly buggy as a seat in a motor vehicle, it should be borne in mind that according to PN ISO 7176-19: 2007 the weight of the patient transported must be between 27 and 43 kg!
- 20.2.6. To use the Grizzly buggy as a seat in a mechanical vehicle, the following must be performed in a sequence:
- a) prepare the buggy according to instructions described in section 20.3 Preparation of Grizzly buggy...
- b) then mount buggy according to instructions described in point 20.4. Assembly of Grizzly buggy...

20.3. Preparation of Grizzly buggy for assembly in a motor vehicle for use as a seat.

- 20.3.1. Mount the buggy seat facing forward in accordance with paragraph 8.24 to 8.27 pages 21-24 of this instruction manual.
- 20.3.2. Remove all accessories of buggy: headrest pelottes, thoracolumbar pelottes, ilial pelottes, side support elements, restraint-stabilizing straps, safety barrier, visor with window, therapeutic table, tourist bag, wedge, raincoat, mosquito net, leg sleeping bag, winter gloves, sunshade and decorative teddy bear set.
- 20.3.3. Place backrest at a 90-degree angle to the seat. See figure 20.3.3. the first hole in the comb for adjusting backrest angle. More about adjusting backrest angle can be found in points 8.35 and 8.36 in this manual.



Fig 20.3.3.





20.3.4. Position seat at an angle of 9.9 degrees with respect to the ground. See Figure 20.3.4. This angle will be obtained by dividing the seat with the backrest (cradle) by one opening. Bolts locking the seat position should be located in the third hole of the comb adjusting the angle of the seat viewed from buggy front. Perform the operation in accordance with point 8.31 and 8.32 of this instruction.



Fig. 20.3.4.

- 20.3.5. Adjust height of backrest and depth of seat according to indications from this instruction manual as per child's height. It should be borne in mind that the child's head must be supported to its very top and thighs should rest on the seat across the entire length.
- 20.3.6. Place footrest in such a position that the angles between the feet and shanks and shanks and thighs are 90 degrees. During adjustment, follow the instructions contained in this manual.
 - 20.3.7. Adjust five-point straps of buggy according to child's height in accordance with 8.37 and 8.38 on pages 29 and 30 of this manual.
- 20.3.8. CAUTION!!! Five-point harness which the Grizzly is equipped with does not constitute a safety device when transporting a child in buggy with a motor vehicle. To protect the child, use the ilial-thoracic belts specially designed for this purpose and mounted in the motor vehicle. These belts must comply with PN ISO 7176-19: 2007 standard.

20.4. Mounting Grizzly buggy in a motor vehicle for use as a seat.

- 20.4.1. First, prepare and set up Grizzly buggy according to the strictly specified settings given in point: 20.3. Preparation of Grizzly buggy for assembly in a motor vehicle for use as a seat.
- 20.4.2. Next, make sure that the vehicle in which you want to transport the buggy and use it as a seat is adapted to it.
- 20.4.3. CAUTION THE CHILD MAY NOT BE TRANSPORTED IN UNFIT VEHICLES!!!
- 20.4.4. Place buggy facing forward in a specially designed place in the motor vehicle
- 20.4.5. Secure truck's central parking brake.
- 20.4.6. Anchor buggy to motor vehicle using the four-point harness attachment system. Straps and attachment points of the buggy in the vehicle must comply with guidelines of ISO 10542. The belts should be fastened to each of 4 securing points (*Fig. 20.2.1. Hook*) of buggy separately, from the front to the rear. **CAUTION! Each harness should be as tight as possible to prevent the buggy from moving in the vehicle!**
- 20.4.7. CAUTION STRAPS FOR ASSEMLBY OF BUGGY ARE NOT SUPPLIED BY THE MANUFACTURER OF THE GRIZZLY BUGGY!!!
- 20.4.8. Place child in buggy and fasten it with the five-point harness, which the Grizzly is equipped with.
- 20.4.9. In order to protect the child in the event of an incident, fasten it with the ilial-thoracic belt, which comprises the equipment of the motor vehicle. This belt must comply with the PN ISO 7176-19: 2007 standard.



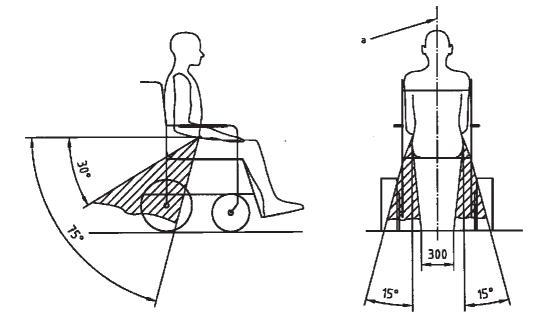
20.5. Correct positioning of ilial-thoracic belts on the user:

20.5.1. The ilial belt should be put across the front part of the hips so that the hip belt angle is in the preferred zone from 30° to 75° with respect to the horizontal place, a steeper (larger) angle is desired in the range shown in Fig. 20.5.1. The figure shows the required range of angles of ilial belts anchored to the buggy, where the dimensions are indicated in millimeters, and the sign: "a" is a reference to the buggy plane.

CAUTION! Marked angles are obtained by projecting the angle of the ilial belt on a vertical plane that is parallel (side view) or perpendicular (rear view) to the buggy's reference plane.

Figure 20.5.1.

Required range of angles in ilial belts anchored to buggy



20.5.2. Example of proper placement of fastening belts through fastening points of Grizzly buggy securing:

Figure 20.5.2. - Proper placement of fastening



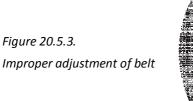








20.5.3. Safety belts should not be kept away from the body by components or parts of the buggy, such as side or wheel restraints, as shown in Figure 20.5.3.





20.5.4. Upper torso restraints should be fitted over the shoulder and across the chest, as shown in Figure 20.5.4. This figure shows that you should pay attention to:

- centerline
- middle of sternum
- safety belts should be adjusted as closely as possible while ensuring the user's comfort
- the belt should not be twisted during use

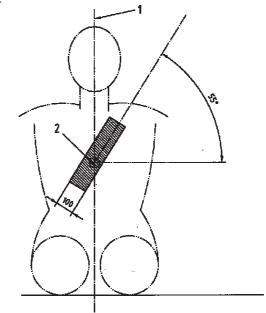


Figure 20.5.4. Placement of thoracic belt on the user's torso



20.5.5. Example of proper placement of ilial-thoracic belts in Grizzly buggy:





20.5.6. Ilial protection should have full contact through the front of the body, close to the hip joints, which is shown in Figure 20.5.5.

Figure 20.5.6.

Proper fitting of belt





20.6. Important tips and safety rules regarding the use of Grizzly buggy as a seat in a motor vehicle.

20.6. 1. CAUTION!

The buggy is suitable for use in vehicles and meets performance requirements for transporting buggy facing forward in frontal collision conditions and when secured by fasteners in accordance with WTORS manufacturer's instructions. Its use in other configurations in the vehicle has not been tested.

20.6. 2. CAUTION!

The buggy was dynamically tested in a forward-facing position with ATD secured both by the ilial belt and upper torso belt.

20.6. 3. CAUTION!

Both the ilial belt and the upper torso belt should be used to reduce the possibility of head and chest bumps in vehicle components.

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20.6. 4. CAUTION!

To reduce potential damage to vehicle users, the bases attached to buggy that are not designed specifically for safety in a collision should:

- a) be removed and secured separately in the vehicle or
- b) be secured by the buggy but placed away from the user with padding absorbing energy placed between the base and the user.

20.6. 5. CAUTION!

Whenever possible, other auxiliary equipment of buggy should be secured by the buggy or removed from it and secured separately in the vehicle while driving, so that it does not break away and does not cause damage to vehicle users in the event of a collision.



20.6. 6. CAUTION!

Base supports should not be considered as reliable user protection in a vehicle if they are not marked to meet the requirements set out in ISO7176-19: 2007.



20.6. 7. CAUTION!

If the buggy has been involved in any vehicle collision, it should be checked by the manufacturer's representative before re-use.



21.6. 8. CAUTION!

Do not make changes or substitutions at the securing points of buggy to the structure and parts of the frame or components without consulting the manufacturer.

21. Cleaning and care

- 21.1. Small spills and stains can be removed from the surface with a kitchen sponge and using clean, warm water.
- 21.2. The stains should be removed immediately after appearing on the rehab buggy's surface.
- 21.3. Do not rub off- it will spread the stain on a larger surface and can distort the fabric texture.
- 21.4. Proceeding in the case of aquatic stains, such as food stains, beverages and vegetable oils, is as follows:
- 21.4.1. Dry the stain with a pressing motion on the whole surface with a white paper towel, a tissue or absorbent, clean cloth.
- 21.4.2. Dip a small piece of cloth with a weak detergent solution and warm water (or cold water in the case of blood) and rinse the stain, removing it from the outside to the inside, in order to prevent its increase. Do not use cloth that is too wet, as too much liquid can create rims after drying or increase the stain and cause damage to upholstery or the foam inside.
- 21.4.3. It may be necessary to repeat the above procedure (21.4.2.) depending on the type of stain and the amount of stained material. Continue this operation until the stain is completely removed, but always remember to remove excess moisture (21.4.1.) from the stained material before rinsing again.
- 21.4.4. Then rinse the material using only lukewarm water without detergent, using a clean sponge or a clean white cloth. As above, the material should be rinsed in the right direction, i.e. from the outside to the center.
- 21.5. Disinfectants that do not contain organic solvents may be used in accordance with the manufacturer's instructions.
- 21.6. Do not wet the fabric.



- 21.7. Do not use organic solvents or washing chemicals.
- 21.8. For the purpose of disinfection, a small amount of ordinary household bleach can be used, diluted with water of a maximum bleach concentration at 3%.
- 21.9. Make sure the product is always dry before use.
- 21.10. Keep the rehab buggy in a clean, dry and well-ventilated place.
- 21.11. WARNING! The manufacturer is not liable for damage caused by improper cleaning agents.

22. Corrosion protection

- 22.1. To avoid corrosion damage to the rehab buggy, it should not be used or left in wet and damp rooms.
- 22.2. When the rehab buggy is wet, wipe all wetted parts with a soft dry cloth and secure with a light oil-based preservative. This does not apply to the upholstery of the rehab buggy, whose cleanliness and maintenance is described in detail in the Cleaning and Care section.
- 22.3. By default, the rehab buggy is covered with top quality coatings. In the event of damage to the lacquer, the damage must be secured by applying spot repair using the Manufacturer's suggested lacquer.
- 22.4. Regular cleaning and lubrication of the rehab buggy mechanism with light oil ensures long and trouble-free use of the rehab buggy.

23. Preparation of the rehab buggy for long-term storage

- 23.1. For the preparation of the Grizzly rehab buggy for long-term storage, the product must be secured and all maintenance operations provided in the "Periodic Maintenance" section should be performed as if their time has come.
- 23.2. Keep the rehab buggy in a clean, dry and well-ventilated place.

24. Repeated use

- 24.1. The product is reusable.
- 24.2. Any reusable products are subject to a special load.
- 24.3. As a result, their features and performance may differ from the new product to the extent that the safety of patients and third parties is at risk during their use.
- 24.4. The product with proper care and maintenance retains its quality for a period of 3 years and that is its expected life span.
- 24.5. For secondary use:
- $24.5.1. \ Remove \ all \ upholstered \ items \ and \ replace \ them \ with \ new \ ones.$
- 24.5.2. Thoroughly cleaned and disinfect the rehab buggy frame with the wheels and guide elements with commercially available cleaning agents and disinfectants.
- 24.5.3. The product must then be inspected by an authorized Service Provider (see section 30. List of Authorized Service Points) or Manufacturer for wear and damage.
- 24.5.4. Any worn parts and components that do not fit or are unsuitable for the user must be replaced.
- 24.5.5. A product prepared in this way may be re-used.
- 24.6. The service plan, parts and tools information should be downloaded from the Periodic Maintenance section.



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25. Maintenance and periodic inspections

- 25.1. For safe and trouble-free use of the Grizzly rehab buggy, you must regularly and thoroughly review and service the Grizzly rehab buggy (see 25.5 Table of maintenance operations).
- 25.2. If the rehab buggy user is unable to carry out the above activities on their own, they should return the rehab buggy to a specialist rehab buggy service center or directly to the Manufacturer who will properly review and provide necessary service. These activities may be additionally paid.
- 25.3. Any repairs must be carried out in specialized, authorized Service Centers (see section 30. List of authorized service points) or directly from the Manufacturer.
- 25.4. Only original spare parts that are supplied or recommended by the Manufacturer may be used in the rehab buggy.
- 25.5. Periodic maintenance operations are presented in the table below:

No.	Review frequency	Operation	Description
1		Performance check of the central brake	When the central brake is activated, the two rear wheels of the rehab buggy should be locked and may not rotate
2	Each time before using the rehab	Inspection of fixing of structural components	Check all the mechanisms of the rehab buggy and its moving parts, and in particular the following: correct fitting of the therapeutic seat with backrest to the rehab buggy frame, proper mounting of all four wheels, proper functioning of the five-point harness, properly locked angular seat adjustment mechanism, correctly locked angular backrest adjustment mechanism and properly mounted footrest.
the rehab Inspection of the buggy condition of tires Check that all tires are not damaged or worn out		Check that all tires are not damaged or worn out	
4		Control of fixed frame elements, seat with backrest and footrest frame	Visually check the status of construction profiles. These parts must not be damaged or cracked.
5		Rehab buggy cleaning	Clean all moving parts, bearings, regulators and then lubricate with a few drops of light oil. Caution should be undertaken not to mess up the upholstery of the rehab buggy or one's own clothes.
6	Every one month	Inspection of all screw connections for any loose areas	Carefully tighten all screws and knobs in the rehab buggy.
7	Every six	Inspection of upholstery cleanliness	Do not allow for improper care for the rehab buggy, as described in the section "Cleaning and Care "
8	months	Inspection of general condition of the rehab buggy	Do not allow for improper care for the rehab buggy, as described in the section "Cleaning and Care "



26. Disposal

26.1. Disposal and recycling: The used rehab buggy must be returned to the recycling center in accordance with the regulations in force in the country concerned.

27. Compliance with the requirements for medical devices

- 27.1. The Grizzly rehab buggy meets the essential requirements of the Council of Europe directive no. 93/42 EEC as amended by 2007/47 /EC for medical devices.
- 27.2. The Grizzly rehab buggy, in accordance with Directive 93/42 EEC, is a non-invasive, non-active medical device of Class I according to Regulation 1.
- 27.3. EC Declaration of Conformity:



MYWAM Kupiec, Bartold, Angres spółka jawna ul. Szczecińska 10, 41-516 Chorzów, Polska tel. 0048 32 733 11 31 mywam@mywam.pl



DEKLARACJA ZGODNOŚCI WE

EC DECLARATION OF CONFORMITY

Wytwórca:	MYWAM Kupiec, Bartold, Angres spółka jawna
Manufacturer:	ul. Szczecińska 10, 41-516 Chorzów, Poland
Produkt:	Wózek inwalidzki specjalny GRIZZLY
Product:	Wheelchair special GRIZZLY

Deklaruję z pełną odpowiedzialnością, że wózek Inwalidzki specjalny Grizzly, będący wyrobem medycznym klasy I , jest zgodny z wymaganiami dyrektywy Rady Europy o wyrobach medycznych - 93/42/EEC z 14 czerwca 1993 roku zmienionej przez 2007/47/EEC z 21 marca 2010 roku , przyjętej w Polsce na mocy ustawy o wyrobach medycznych z dnia 20 maja 2010 r. (Dz. U. nr 107, poz. 679), oraz zgodny z normami zharmonizowanymi:

I solely declare that the Wheelchair special Grizzly is a class I device, and it is in conformity with the requirements of EU Council Directive for Medical Devices 93/42/EEC of 14 June 1993 amanded by 2007/47/EEC of 21 March 2010, implemented in Poland under the Medical Devices Act of 20 May 2010 (Dz. U. nr 107, poz. 679), and is in conformity with harmonized standards:

PN-EN 12183:2014	PN-EN 12182:2012	PN-ISO 7176-19:2007	PN-ISO 7176 - 1,3,5,7,8
PN-EN 1021-1:2007	PN-EN 980:2010	PN-EN 1041:2010	PN-EN ISO 14971:2011



Chorzów, 05 kwiecień 2018r./05 April 2018

Data/Date







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28. Manufacturer

MANUFACTURER

MyWam Kupiec, Bartold, Angres spółka jawna (general partnership) ul. Szczecińska 10, 41-516 Chorzów, Poland contact phone number: +48 32 733 11 31

> website: www.mywam.pl e-mail address: mywam@mywam.pl

The Grizzly rehab buggy is a Polish product. Polish quality, Polish price!

29. Notes

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30. List of authorized service points

POLAND MyWam Kupiec, Bartold, Angres spółka jawna (general partnership) ul. Szczecińska 10, 41-516 Chorzów, Poland	
contact phone number: +48 32 733 11 31 website: www.mywam.pl e-mail address: mywam@mywam.pl	



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31.	Wai	rranty	Card
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WARRANTT CARD		
Series and number:		
Date of purchase:		
Stamp and signature of the So	eller:	

32. Terms of warranty

- 32.1. The Manufacturer grants the Purchaser a warranty for the purchase, for a period of 24 months from the date of purchase.
- 32.2. Disadvantages revealed during this period will be removed free of charge.
- 32.3. The Purchaser of the rehab buggy should deliver the rehab buggy to the Seller or to the Manufacturer in its original packaging, together with the components of the rehab buggy secured from damage.
- 32.4. Damages caused by insufficient security of the delivery of the rehab buggy and its components are not subject to warranty repairs.
- 32.5. The person returning the product cannot claim gratification if they wrongly mark or improperly secure the rehab buggy and its components.
- 32.6. The cost of shipping the returned rehab buggy to the Seller or to the Manufacturer shall be borne by the Purchaser returning the rehab buggy.
- 32.7. The warranty period is extended by the repair time of the rehab buggy.
- 32.8. The actions provided in the manual, which the user is obliged to perform on their own and at their own expense, cannot be performed under the warranty repair.
- 32.9. The Purchasers are entitled to exchange the advertised rehab buggy for a new rehab buggy if there are still the same faults or defects that have been removed twice and which prevent the rehab buggy from being used.
- 32.10. The rehab buggy should be operated in accordance with these operating instructions.
- 32.11. Misuse of the rehab buggy, incompatible with this manual or incompatible with normal operation, will void the warranty.
- 32.12. Making any structural changes to the rehab buggy will void the warranty.
- 32.13. Damage caused by improper operation, improper maintenance, improper storage of the rehab buggy, mechanical damage and natural wear and tear (e.g. upholstery, wheels) are not covered by the warranty. They are repaired at the expense of the user.
- 32.14. The Manufacturer warns against performing warranty repairs in unauthorized service centers. Repairs or unauthorized alterations of the rehab buggy will void the warranty.
- 32.15The warranty card is valid provided that it has: the date of sale confirmed by the Seller's stamp, Seller's signature, type and serial number of the rehab buggy.
- 32.16. The warranty card is valid only if it contains no errors or corrections.
- 32.17. The rehab buggy Manufacturer carries out its paid post-warranty service.
- 32.18. In cases not covered by this warranty card, the provisions of the Civil Code shall apply.
- 32.19. Please contact the Seller or the Manufacturer directly for any issues related to warranty and reclamation of the rehab buggy.