



BA-Nr.: 02.07.080/2023-09-A01



REBOTEC® Rehabilitationsmittel GmbH
DE-49610 Quakenbrück, Artlandstr. 57-59
Phone: +49 (0) 5431/9416-0
Fax: +49 (0) 5431/9416-66
Web: www.rebotec.de
Email: info@rebotec.de



User Manual

Shower and Toilet Wheelchairs

	Denver	Atlanta	Chicago	Dallas
REF	360.XX.12	361.XX.12	358.XX.12	359.XX.12
	175 kg	175 kg	200 kg	200 kg

xx = Colour code



Figure similar



Read User Manual **before using the product for the first time** and keep it at hand for the user as well as for future use and provide it to the purchaser in case of subsequent sales.

**Table of contents**

1	Product description	3	13	Cleaning & disinfection	8
1.1	Introduction	3	13.1	General	8
2	Features	3	13.2	Cleaning.....	9
2.1	Intended purpose	3	13.3	Disinfection	9
2.2	Use	3	14	Maintenance	9
2.3	Storage & transport.....	4	15	Spare parts & accessories	11
2.4	Equipment & functions	4	16	Drawing & dimensions	12
2.5	Packaging	4			
2.6	Disposal	4			
3	Symbols & nameplates	4			
4	Safety instructions	4			
5	Incident reporting.....	5			
6	Warranty.....	5			
6.1	Complaints.....	5			
7	Reuse, lifetime	6			
8	Scope of delivery.....	6			
9	Setting up for use.....	6			
9.1	Folding down the footrests	6			
9.2	Adjusting the footrest height	6			
9.3	Mounting the backrest	6			
10	Product information	6			
11	Operation of the product	6			
11.1	Sitting down.....	7			
11.2	Getting up	7			
11.3	Swivelling the armrests	7			
11.4	Removing the footrests	8			
11.5	Removing the shower/toilet seat	8			
11.6	Handling of the toilet bucket	8			
11.7	Parking brake operation	8			
11.8	Moving over a toilet.....	8			
11.9	Removing the stabiliser strut.....	8			
12	Troubleshooting	8			

1 Product description

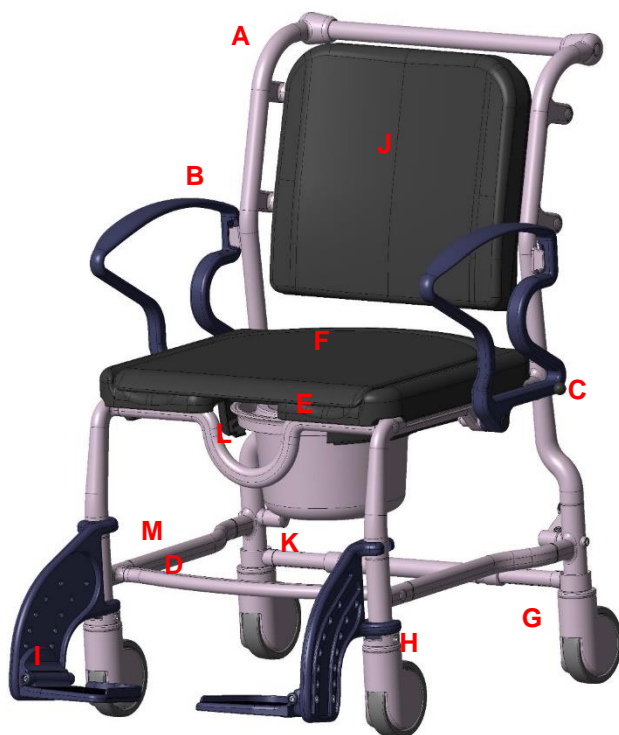


Figure shows:

A	Backrest
B	Armrest
C	Locking bolts
D	Chair frame
E	PUR seat, hygiene opening
F	PUR seat cushion
G	Wheel insert, braked
H	Wheel insert, unbraked
I	Foot support with footrest
J	Backrest cushion
K	Stabiliser clamping strut with clip
L	Bucket holder
M	Nameplate

1.1 Introduction

- The product described here is a medical device of risk class I according to **Regulation (EU) 2017/745 (MDR)**.
- In this User Manual, you will find information on the safe and proper initial operation, use, maintenance and care of this product.
- Read this User Manual carefully before using this product. Follow the safety instructions and act accordingly.

2 Features

2.1 Intended purpose

Denver, Atlanta, Chicago, Dallas

- The product is intended for the care of patients with limited ability to stand and/or walk. It enables showering while sitting, as well as going to the toilet when a conventional toilet cannot be accessed. The patient must have sufficient sitting ability and upper body musculature. If necessary, a nurse must be present during use. The product is not intended for prolonged sitting or transfer.

Specification:

- Maximum user weight
 - Denver / Atlanta: 175 kg
 - Chicago / Dallas: 200 kg
- Height-adjustable footrests
- Wheelchair, 2 swivel castors, lockable
- Indoor use

Indication

- Use in domestic and inpatient settings.
- Medical condition of the patient:
- The use of a chair by patients with cognitive disorders (reduced mental, physical, sensory or intellectual abilities) must be decided in advance by a medical decision (prescription of the product) or on site by nursing personnel.

2.2 Use

- Temperature range: 5 °C to 35 °C; direct radiant heat on the product must be avoided.
- Relative humidity: 40% to 75%. Outside of these conditions, the product must only be used for a short time.
- The product is not suitable for use in swimming pools or saunas, as surface discolouration and limitations of mechanical strength may occur.
- This product may not be used to transport heavy objects.
- The chairs are not suitable for prolonged sitting.
- There must be a level parking area of sufficient size. See 16.
- The products can be slid over a conventional toilet. See 16.
- Use in domestic and inpatient settings.

2.3 Storage & transport

- Temperature range: 5 °C to 25 °C; direct radiant heat on the product must be avoided.
- Store the product in dry rooms with a humidity of up to 65%.
- The shower should be designed so that there is a flat surface of sufficient size.

2.4 Equipment & functions

- The chairs consist of a plastic frame on 4x5" swivel castors with locking brake.
- The armrests can be swivelled and have an armrest locking device.
- The footrests are height adjustable; can be removed or folded up.

2.5 Packaging

- We recommend you keep the packaging for later transport.
- Dimensions:
 - Denver / Atlanta: 780 mm x 640 mm x 780 mm
 - Chicago / Dallas: 780 mm x 640 mm x 780 mm

2.6 Disposal

- Disposal and recycling of used products and packaging must be carried out in accordance with currently valid regulations. Please contact a disposal company for further information.
- The Infection Protection Act must be observed.
- Please observe any labels and information on packaging material and act accordingly.

3 Symbols & nameplates

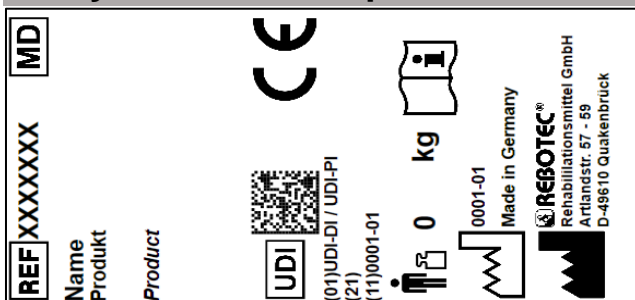


Figure similar.



The nameplate must not be removed! For ordering spare parts and processing complaints, the device name, serial number and year of manufacture will be required.

Symbol	Meaning	Symbol	Meaning
	Read the manual!		Year of manufacture of product
SN	Serial number		Important information!
REF	Product number		Maximum user weight in kg
	Care instructions		Maintenance instructions
	Applicable for indoor use only.		Manufacturer
	Visual signal	EN	Language
	Read the User Manual!		Do not dispose of as household waste.
CE	The product complies with Regulation (EU) 2017/745 (MDR)		
	Caution! Observe the safety instructions		
UDI	Unique Device Identifier (Data: GTIN / LOT (SN) / year of manufacture)		
MD	Medical device label This product is a medical device.		

4 Safety instructions



Please observe the following safety instructions:

- Before using the product for the first time, the User Manual must be read completely in order to avoid hazards or damage caused by maloperation.
- Before every commissioning, check whether there is any visible damage to the product.
- In case of malfunction or damage of any kind, the product must not be used.
- Do not leave the patient unattended during use.
- Do not leave children unattended with the product.

Caution: Danger of falling!

- The chair must only be used with the armrests locked in place when sitting and moving about.

- Sitting down, getting up and transferring of a patient should be done with the help of a trained caregiver, depending on the patient's state of health.
- Patients who are prone to uncontrolled actions or movements must be supervised when using the chair.
- The chair must **only** be moved on a slope or incline with the help of a caregiver. Generally, on an uphill slope the chair should be pushed forward and on a downhill slope it should be pulled backward.

Caution: Danger of slipping!

- Before use, check that the seat surface is firmly clamped in the seat frame.
- Always lock the parking brakes before using the chair to prevent the chair from rolling away.
- When sitting down, do not sit on the front edge of the seat or on the seat cushion; the user should take up the entire seat surface.

Caution: Danger of tipping over!

- The chair must only be used with the armrests locked in place when sitting and moving about.
- The chair must only be pushed by the push handle.
- The footrests must be swivelled down or folded up before sitting down/standing up. Do not stand on the footrests!
- **Do not** move the chair against door thresholds, edges or other uneven surfaces.
- **Only** use the product indoors and on flat, skid-proof surfaces.
- **Only** move the product at a moderate pace.
- Never lean out of the chair. If the swivel castors are in an unfavourable position (pointing inwards), the chair's stability is limited.

Caution: Danger of breakage!

- The product is **only** suitable for the intended use. Note the maximum body weight allowed. See 2.
- Never carry or lift the product while a patient is sitting on it.
- Do not pull or hold on to additionally attached components or accessories.

Caution: Danger of pinching or catching!

- Do not leave the patient unattended during use.
- When folding the armrests up or down, do not reach into the joint guide to avoid any trapping of body parts etc. in them. Do not put any body parts into the armrests.

- When folding down the footrests, take care to avoid trapping any body parts. Do not insert any body parts into the cut-out in the heel area.
- When pulling out and pushing in the toilet bucket, there is a risk of soft parts of the patient being trapped. To prevent injuries, the bucket may only be pulled out or pushed in when no user is sitting in the chair.

Caution: Risk of injury!

- There is a risk of injury with surface temperatures > 40 °C. Therefore, do not expose the product to high temperatures (e.g. sunlight, radiators, hot water). Allow the product to cool down before use.



If the product is used by patients with insensitive skin (no temperature perception or skin damage), a heat check (e.g. touching with the back of the hand) must be carried out by the nursing staff.

5 Incident reporting

- Serious incidents in connection with the product must be reported immediately to the manufacturer and Federal Institute for Drugs and Medical Devices (BfArM).
 - Use the reporting functions and provided forms.
 - Manufacturer: pms@rebotec.de

6 Warranty

- The manufacturer grants a warranty of 12 months for this product. The prerequisites are the general terms and conditions (www.rebotec.de/agbs), as well as the intended use. The statutory warranty provisions shall apply.
- Unauthorised modifications to this product will void the product's conformity and the warranty.

6.1 Complaints

- Please contact us before returning the product.
- To reduce transport damage, use the original packaging if possible.
- The Infection Protection Act must be complied with.
- Please make sure that the product does not pose a risk of infection when returned.
- Enclose the supplied information sheet on safety with the product.
- Costs may be incurred for returns that are not marked as harmless.

7 Reuse, lifetime

- The product is suitable for reuse. How often the product can be reused depends on the frequency and nature of use.
- Before reuse, the product must be reprocessed hygienically and the technical and functional safety and reliability of the product must be checked and restored if necessary. See 0.
 - For more detailed information, please see the reprocessing instructions (02.12.156) and the maintenance instructions (02.11.150).
 - The documents can be downloaded from the following link.
 - www.rebotec.de/downloads
- When used as intended, the product has a lifetime of 5 years. The effective lifetime may vary depending on the frequency and intensity of use and the general condition. A longer service life is possible with a lower intensity of use.

8 Scope of delivery

- 1 Shower/toilet wheelchair
- 1 User Manual (02.07.080)
- 1 Allen key

The reprocessing and maintenance instructions can be ordered or viewed and downloaded at www.rebotec.de/downloads.

9 Setting up for use

- The product has been carefully inspected in the factory for freedom from defects and completeness. Please check the product for any possible damage which may have occurred during transport and for completeness of the scope of delivery upon receipt. Assembly or adjustment shall be carried out by the specialist dealer.

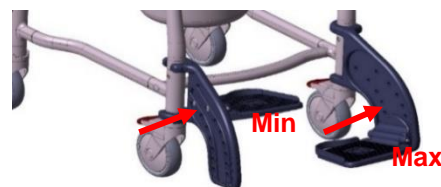
9.1 Folding down the footrests

- Turn (1) the footrests forwards until they engage automatically. Fold (2) the footrests down. Adjust the height of the footrests if necessary.



9.2 Adjusting the footrest height

- The footrest height can be adjusted in 7 positions. Loosen and remove the screws on the side of the footrest using an Allen key (SW 5). Select the appropriate height (1-7) and screw the footrest back in place. Make sure that the screws are firmly tightened!



9.3 Mounting the backrest



- The armrests must be swivelled backwards for mounting the backrest.
- Put the backrest on the tubes and then swivel the armrests forward until the bolts engage.

10 Product information

- We reserve the right to make technical developments and improvements with respect to the design shown in this User Manual. See 16.

Field	Value
Denver	
Product weight*	23.7 kg
Total weight*	27.3 kg
Atlanta	
Product weight*	24.6 kg
Total weight*	27.8 kg
Chicago	
Product weight*	24.4 kg
Total weight*	28.0 kg
Dallas	
Product weight*	25.3 kg
Total weight*	28.5 kg
Skin sensitivity	DIN EN 10993-1/-5
Flammability	DIN EN 1021-1/-2

*Without accessories.

**Flame-retardant: For products made of PUR material.

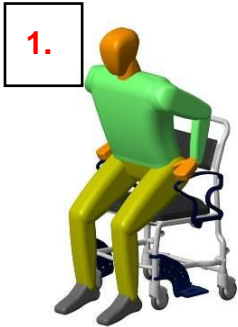
11 Operation of the product

- Before use, it must be ensured that the product is in proper operating condition. If defects or malfunctions are evident, the product must not be used. Have the defects corrected by a specialist dealer before use.



If necessary, depending on the patient's limitations, sitting down and getting up must be done with the help of a caregiver. Subsequent adjustments may only be made by qualified personnel!

11.1 Sitting down



- Before sitting down, make sure that the chair is securely positioned to prevent it from slipping or tipping over, that both wheels are braked, that the armrests are properly engaged, that the shower/toilet seat is firmly in place, and that the footrests are folded to the side or up.

- The patient must position themselves as close as possible to the product. By supporting themselves on the two armrests, the patient should slowly sit down on the cushion.

- If this is not possible due to their physical limitations, support must be provided by the nursing staff. If necessary, the use of a lifting aid or patient lift is advisable



Caution: Danger of falling!



- Falling down or slumping on the chair seat must be avoided. The patient should sit on the full chair surface, if possible, and not only on the edge of the seat.

- When transporting people, the entire surface of the backrest and the footrests must be used if possible.

11.2 Getting up

- Before the patient gets up, make sure that the product is securely positioned to prevent it from slipping or tipping over, that **both rear wheels are braked**, that the armrests are properly engaged, that the footrests are folded to the side or up, and that the patient is sitting upright.

3.



- The patient should move forward on the chair surface until their feet are on the floor.

- The patient must support themselves with their arms on the armrests and slowly rise from the seat.

- The patient must not lean their body too far forward to avoid a potential risk of falling.

- The patient should be helped to stand up by the nursing staff.



Caution: Danger of falling!

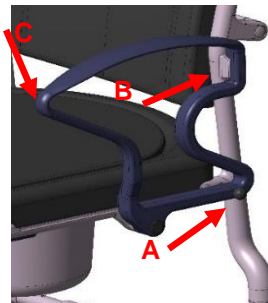
4.



- The patient must never leave their feet on the footrests when sitting down or getting up.

11.3 Swivelling the armrests

- Pulling out the locking bolts (A) releases the locking mechanism and the armrests can be swivelled backwards.
- When folding up the armrest, check that the catch on the backrest (B) and the locking bolt (A) are seated correctly. The armrests are to be swivelled with both hands



- To do this, keep the locking bolt (A) pulled during the entire swivelling process and guide the armrest to point (C) with the other hand. Only touch the outer area and do not reach into or through the armrest. Only touch the outer area and do not reach into or through the armrest.



Check the locking mechanism at regular intervals, as possible limescale deposits on the locking mechanism can impair its function and smooth operation.

11.4 Removing the footrests

- Raise the footrest by approx. 100 mm and turn it outwards by 90 degrees. Loosen the front cover on the side frame.
- Now you can push the footrest all the way up and pull it out.

11.5 Removing the shower/toilet seat

- The seat can be removed from its locked position on the chair frame by lifting it off for cleaning or replacement.

11.6 Handling of the toilet bucket

- From the back of the chair, slide the toilet bucket under the seat. To remove, slightly lift the bucket and then pull it out backwards.

11.7 Parking brake operation

- With your foot, press down the parking brake lever. The wheels are now braked. The wheels are released by lifting the actuating lever with the foot.



11.8 Moving over a toilet

- After removing the stabiliser strut, the chair can be moved over a WC bowl.



Caution – Safety Notice!

Transporting a patient without the strut fitted is not permitted for safety reasons. After using the toilet, be sure to refit the strut!

11.9 Removing the stabiliser strut

- Both rear wheels must be braked. See 11.7.
- Remove the two clips.



- Push the tube to the side and replace the clips.

- Now the two halves can be swung forward.

- Release the brakes and push the chair over the toilet.



- After using the toilet, refit the stabiliser strut in reverse order. The wheels must be braked. See 11.7

12 Troubleshooting

Fault	Potential cause	Remedy
Armrest cannot be swivelled down	Deposits in the locking device (locking bolt)	Cleaning, regular checking
Locking bolt cannot be pulled out	Deposits, tension spring jammed or defective	Cleaning, replacing the locking bolt
Footrest cannot be folded down	Deposits in the joint, bracing	Cleaning, checking screw connection
Wheel lock does not brake	General defect	See maintenance!
The wheel is stiff	Deposits	Cleaning
Wheel does not turn	General defect	See maintenance!
Wheel runs unevenly	Severe uneven tread wear	See maintenance!
Chair frame too unstable	Screw connections too loose	Screw connections: Tighten frame, wheel inserts
Wheel insert bent	Hitting an obstacle	See maintenance!

13 Cleaning & disinfection

13.1 General



Attention: Danger of jamming when cleaning the footrests!

- Please note point 4.
- The product is suitable for machine cleaning and disinfection. Please observe the reprocessing instructions (01.12.156).

- Only the bucket can be cleaned and disinfected by machine.
- Do not use hard objects such as scrapers, wire brushes, or metal sponges.
- Observe infection control. Disinfect the product before reuse.
- Do not mix different cleaning and disinfectant products.

13.2 Cleaning

- Gross contamination must be removed immediately after use.
- The seat pad, seat, leg pad and bucket must be removed before cleaning.
 - They must be cleaned and dried separately.
- Use only commercially available detergents with a pH of 5-9.
- Note the mixing ratio information.
- Allow the detergent to act as specified by the manufacturer.
- Remove the cleaning agent with warm water without leaving any residue.
- After cleaning, wipe the product with a damp cloth.
- Dry the product with a cloth after cleaning. The product may only be used in a dry state.

Exclusions:

- Cleaning agents must not contain chlorine or strong acids.
- Do not use cleaners with added abrasive.
- Do not use a pressure washer.

13.3 Disinfection

The product is not intended for steam or hot air sterilisation.


- Observe the operating temperatures (2.2).
- The product is not intended for steam or hot air sterilisation. Observe the operating temperatures (2.2).
- Use only surface disinfectants tested and recognised by the Robert Koch Institute.
 - Permitted agents are those based on (form) aldehyde or alcohol.
- Observe the material approvals of disinfectant manufacturers. The product consists of the following components or materials:

- Polyamide: Frame, armrests, footrests
- Polyurethane: Seat, backrest, leg rest, head support
- Polypropylene: Bucket & holder
- Polythene: Nameplate
- Aluminium: Tubes
- Stainless steel: Screws, washers. Nuts
- Note the mixing ratio information.
- Observe the safety instructions from the disinfectant manufacturer.
- Apply the disinfectant by spraying or rubbing over the surface.
- Leave the agent to take effect. Observe the indicated exposure times.
- Depending on the disinfectant, a subsequent wiping with warm water may be necessary.
- Remove the disinfectant without leaving any residue.

Exclusions:

- Do not use any alcohol-based products in the area of stickers and nameplates.
- Cleaning agents must not contain chlorine or strong acids.

14 Maintenance

- Wear and tear that is not recognised in time and/or improper handling, as well as irregular or no maintenance may result in accidents.
-  *For safety reasons, the product must be professionally maintained **at least once a year.***
- Regular safety checks are required:
 - Check the product and accessories for visible damage (cracks, breaks, loose parts)
 - Check stability before use
 - All screw connections for tightness
 - Function of the armrests and locking bolts
 - Function of the footrest
 - Running characteristics and tread of the wheels
 - Function of the parking brakes
- If you have any questions concerning the maintenance of the product, please contact an authorised dealer or a medical and healthcare supplies store. In the event of damage or a need for repairs, contact your specialist dealer immediately.



- Do **not** make **any** unauthorised changes to the product. This may affect the safety and function of the product.
- **In such cases, REBOTEC will not assume any liability.**
- Only use the manufacturer's spare parts for repairs. See point 15.
- After maintenance or repair work has been carried out, we recommend you clean the product before using it again.
- Please note points 15 and 7.
- *Please observe the maintenance instructions (02.11.151).*



For documenting the maintenance and repair work, REBOTEC provides a Maintenance Report. The User Manual and Maintenance Report can be ordered or viewed at www.rebotec.de. It is also possible to print the information and read it when needed.

15 Spare parts & accessories

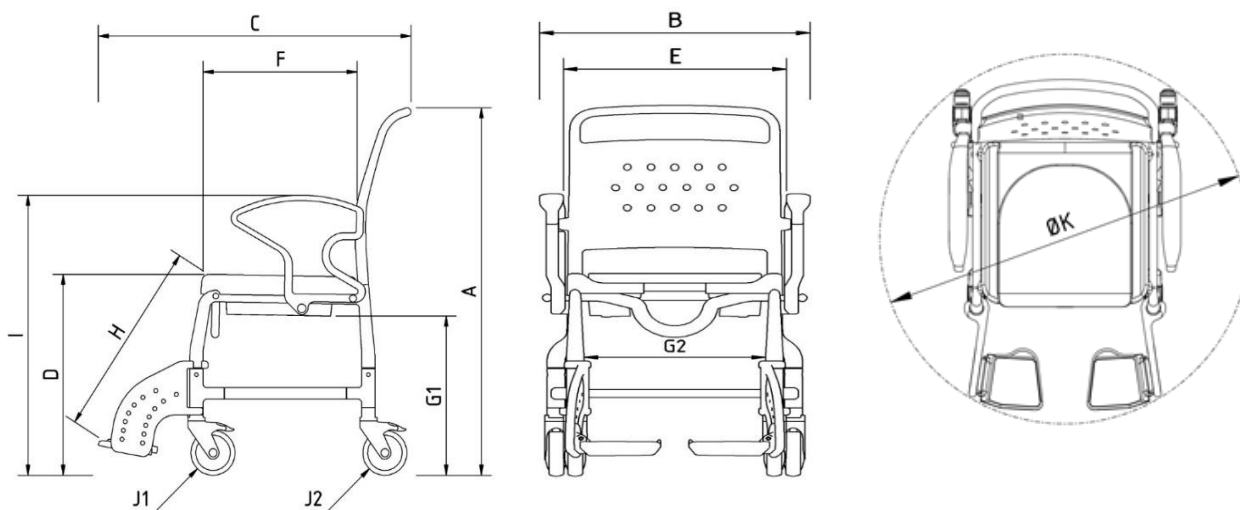
No.	Prod. no.	Designation
1	301...	Toilet bucket with lid
2	302.00	Toilet bowl for PUR shower seat with hygiene cut-out
3	440.10.12	PUR shower seat padding
4	440.10.22	PUR shower seat incl. bucket holder
5	440.50.69	Stabiliser strut
6	442.00.87	Brake lever, left
7	442.00.86	Brake lever, right
8	442.00.80	Front wheel 125 for Denver/Atlanta
9	445.00.80	Front wheel 125 for Chicago/Dallas
10	442.00.81	Rear wheel 125 total locker for Denver/Atlanta
11	445.00.81	Rear wheel 125 total locker for Chicago/Dallas
12	450.10.05	Armrest lock, complete
13	447.XX.57	Left footrest, height-adjustable
14	447.XX.59	Right footrest, height-adjustable
15	450.10.15	PUR back pad, comfort
16	201.00.30	Adjustment clip 30 mm for stabiliser strut
17	440.10.32	PUR armrest pad
18	322.30.20	Safety belt size M/L
19	322.10.50	Safety belt slide-on pad

XX= Colour variant



Use only REBOTEC spare parts and accessories to ensure the proper and safe functioning of the product

16 Drawing & dimensions



No.	Designation	Denver Dimensions in mm	Atlanta Dimensions in mm	Chicago Dimensions in mm	Dallas Dimensions in mm
A	Overall height	1029	1030	1030	1025
B	Overall width	680	740	680	740
C	Overall depth	965	965	965	965
D	Seat height	570	570	560	560
E	Width between armrests	580	640	580	640
F	Seat depth	430	430	430	430
G1	Slide-over height	450	450	440	440
G2	Slide-over width	540	540	470	470
H	Footrest knee height max.	380-560	380-560	380-560	380-560
I	Armrest height	780	780	780	780
J1	Front wheel diameter	125	125	125	125
J2	Rear wheel diameter	125	125	125	125
K	Turning diameter	1090	1120	1090	1120



Dimensions and weights may vary depending on the equipment. There might be minor deviations due to production tolerances. Subject to change without notice.

