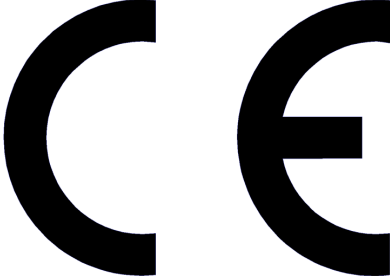


PRODUCT	LB
OTHER NAMES	LEVIA BASCULANTE – LEVIA KID – LEVIA BASCULANTE KID – LBK – LB DYNAMIC
PART NUMBER / MODEL	S080
CE CONFORMITY	 <p>Regulation EU 2017/745 - Class I medical device - Rule I Annex VIII</p>
MAIN STANDARDS APPLIED	ISO 14971:2012 UNI EN 12182:2012 UNI EN 12183:2014
MANUFACTURER	Neatech.it SRL via A. de Curtis 4/A, 80040, Cercola (NA), Italia Tel. +39 081 555 1946 www.neatech.it – info@neatech.it
INTENDED USE	The product is intended to be used for alleviation or compensation for an injury or disability. Particularly the wheelchair is intended to be used by those groups of users with temporary or permanent mobility difficulties confined to a sitting position who need to move in mostly indoor environments.

Index

1	PRODUCT INFORMATION	1
2	PREPARATION FOR FIRST USE	2
2.1	Checks to be made on delivery	2
2.2	Unpacking	2
3	ADJUSTMENTS	3
3.1	List of adjustments.....	3
3.2	Seat angle	4
3.3	Seat position	5
3.4	Seat height.....	6
3.5	Seat depth.....	8
3.6	Armrests depth	10
3.7	Armrests height	12
3.8	Sidepad depth and height.....	13
3.9	Footplates height.....	15
3.10	Footplates depth and angle.....	17
3.11	Backrest angle	19
3.12	Push handle height.....	21
3.13	Pushbar position.....	22
3.14	Legrest angle	23
3.15	Brake adjustment	25
3.16	Default position	26
4	USE OF THE PRODUCT	27
4.1	Use of parking brakes	31
4.2	Use as seat in a motor vehicle	32
4.2.1	Four points tie-down	36
4.3	Opening and closing of the frame.....	37
4.4	Seating system	38
4.4.1	Removable rigid plane	38
4.4.2	Canvas.....	39
4.5	Lever operated functions.....	40

4.6	Footrest flip-up	42
4.7	Use of angle adjustable legrest with spring S080-V214	43
4.8	Transport and storage	44
5	MAINTENANCE	47
5.1	Maintenance and cleaning.....	47
5.2	Controls to be performed on the product	48
5.3	Tire puncture	50
5.3.1	User information.....	50
5.3.2	Service information.....	51
5.4	Re-use	51
6	SPECIFICATIONS	52
6.1	Maximum user weight	53
6.2	Dimensions	54
6.2.1	Wheels width	55
6.2.2	Armrest width	56
6.2.3	Length	57
7	Warranty terms	58
7.1	Serial number	58

Symbols in this manual



WARNING

This symbol means presence of danger for the user or damage for the product. Always follow instructions when this symbol is present.



PINCH HAZARD

This symbol means presence of pinch hazard.



INFORMATION

This symbol means general information intended to simplify or best explain the use of the product.



CONTACT INFORMATION

This symbol means the need of contacting an authorized service center or the manufacturer.



TEMPERATURE

The temperature of some surfaces may increase when the product is exposed to external heat sources as direct sunlight.



TIPPING HAZARD

Tipping hazard is strongly reduced because of the design of the product according to EN 12182.

In any case, please pay special attention during the adjustments and use of the product to prevent any damage to the user or product itself.

Any transport on a slope greater than the maximum security slope can be dangerous.

Please don't seat on armrests.



ANTI-TIP DEVICES

Using anti-tippers substantially reduces your risk of falling over, which can cause serious injury. The Anti-Tippers will keep you from falling over, but they will limit your ability to be pulled up curbs and some other maneuvers.



Center of balance of the wheelchair and so its stability can be affected by:

- User position
- Use of a backpack
- Tilting of the seat



PINCH HAZARD

Make sure your feet do not hang up or get caught in the space between the footrests. In general, make sure you have proper space in areas you will travel through to minimize pinching or entrapment of body parts.

The manufacturer disclaims any responsibility for inappropriate selection of product model and configuration.

Information in this manual may be subject to change without notice. All information, pictures and specifications are based on the product details that were available at the time of preparation of this document. They are representative examples and they are not intended to be exactly as the actual product.

WARNING: It is prohibited to use the product or its parts for any purpose other than that indicated. For a correct use please follow the instructions given in this manual. The manufacturer disclaims any responsibility for damages caused by improper use of the product.

MODIFICATIONS

Any unauthorized modification to the product may increase the risk of personal injury and damage to the product itself. All modifications should be done by an authorized service center.

Do not use any unauthorized accessories or spare parts on the product. Do not use the product in combination with other medical devices without first having considered any risk due to combination of more products.

MANUFACTURER

For any need not expressly explained in this manual, please contact the manufacturer.

Neatech.it SRL

via A. de Curtis 4/A, 80040, Cercola (NA), Italy

www.neatech.it – info@neatech.it - +39 081 555 1946

INCIDENT REPORTING

If an incident occurs, please contact an authorized service center. For a list of authorized service center please contact the manufacturer.

DISPOSING



This product and all its components can not be treated as household waste. For more detailed information on how recycling and disposal this product contact your local waste disposal service.

1 PRODUCT INFORMATION

LB is a manual tilting wheelchair that features a patented folding system that combines the advantages of a rigid frame to the comfort of the folding one. The unique structure with independent modules, resulting from a deep study that finds its origins in the aviation industry, it makes it a versatile tool for defining a good posture. It is in fact possible to move the backrest angle and modules, the seat and armrest, by sliding them on the prepared guides, offering the possibility of making asymmetrical arrangements. These adjustments are performed directly on the chassis so as to make semi-permanent positions. With LB is not only the postural system that adapts to the shape of the body but the frame itself can adapt to the anthropometric measurements of the user, in order to guarantee always the best positioning, while maintaining a compact size of the frame. Integrated perfectly with the postural Buddy Brace systems, it is able to offer endless positioning solutions.

2 PREPARATION FOR FIRST USE

2.1 Checks to be made on delivery

- Check for the integrity of the original packaging.
- Check for any anomalies on shipping documents.
- Check for the functionality and integrity of the device in all its parts, at the time of delivery or immediately thereafter, to ensure that no damage has resulted from a careless transport.
- Make sure the surface of the device is not damaged, scratched, bent, etc.
- Any fault or damage found must be immediately reported on the shipping documents and promptly communicated to the shipper.

2.2 Unpacking

Inside the box there are:

- LB wheelchair
- Documents and manual

The wheelchair is delivered already mounted and ready to use. Before starting to use the wheelchair please check if all described component are present. **If not, please contact as soon as possible the vendor.**



PACKAGING DISPOSAL

To properly recycle the packaging materials follow instructions provided by your local waste disposal service.

3 ADJUSTMENTS

3.1 List of adjustments

Type of operation	
A	Operation intended to be performed by the user.
B	Operation intended to be performed by an assistant.
C	Operation intended to be performed by an authorized service center.

Table 1

Adjustment	Type of operation
Seat angle	B - Assistant
Seat position	C - Authorized service center
Seat height	C - Authorized service center
Seat depth	B - Assistant
Armrests depth	B - Assistant
Armrests height	B - Assistant
Sidepad depth and height	B - Assistant
Footplates height	B - Assistant
Footplates depth and angle	B - Assistant
Backrest angle	B - Assistant
Push handle height	B - Assistant
Pushbar position	B - Assistant
Legrest angle	B - Assistant
Brake adjustment	B - Assistant

Table 2

3.2 Seat angle



WARNING

This operation could affect the stability of the wheelchair. Please perform it only if you are sure of what you are doing.



RANGE

It is not easy to provide a range for adjustment of seat angle because there are too many configuration and possibilities. **In any case tilt range is between 30° and 20°.**



Average needed time:

<1 min



Difficulty level:

Easy

In order to tilt the wheelchair use the levers as described in section 4.5.

3.3 Seat position



WARNING

This operation could affect the stability of the wheelchair. Please perform it only if you are sure of what you are doing.



WARNING

This operation must be performed only at an authorized service center.



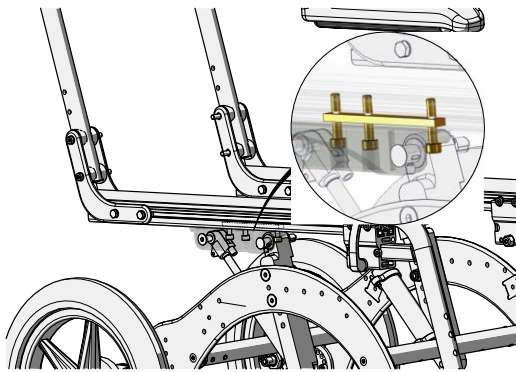
Average needed
time:

10 min



Difficulty level:

Easy



Allen wrench 5 mm

Figure 1

- Loosen the 3 screws shown in figure.
- Set the position of the seat as desired.
- Repeat operations for both left and right side of the wheelchair.



WARNING

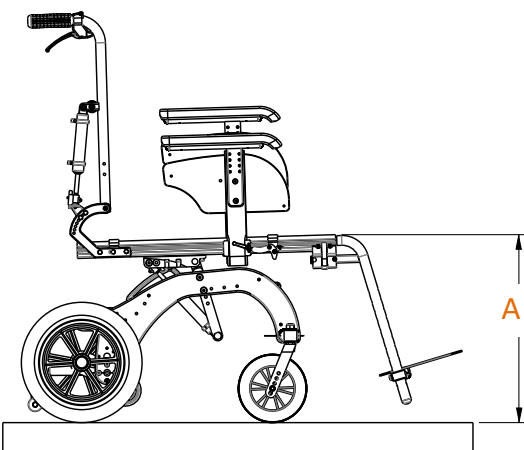
It is needed to set separately left and right seat position. Always set two parts of seat at the same manner.

3.4 Seat height



WARNING

This operation must be performed only at an authorized service center.

	WHEELCHAIR CONFIGURATION	(A) POSSIBLE VALUES
	Seat width from 26 cm to 30 cm and castors Ø125 mm	41.5 cm 44.5 cm
	Seat width from 26 cm to 30 cm and castors Ø150 mm	44.5 cm 47.5 cm
	Seat width from 26 cm to 30 cm and castors Ø175 mm	46.5 cm 50.0 cm
	Seat width from 34 cm to 48 cm and castors Ø125 mm	41.5 cm 47.0 cm
	Seat width from 34 cm to 48 cm and castors Ø150 mm	43.0 cm 48.5 cm
	Seat width from 34 cm to 48 cm and castors Ø175 mm	48.5 cm



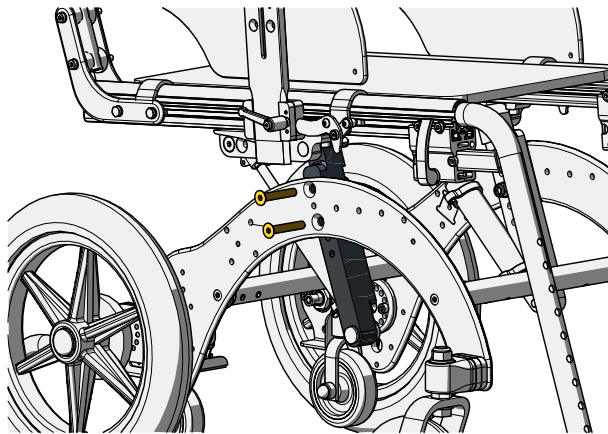
Average needed time:
10 min



Difficulty level:
Easy



Allen wrench 4 mm



Open-end wrench
13 mm

Figure 2

- Unscrew the 2 screws shown in figure.
- Set the seat height as desired.
- Tight again the 2 screws.



WARNING

It is needed to set separately left and right seat height. Always set two parts of seat at the same manner.



WARNING

This operation could affect the stability of the wheelchair. Please perform it only if you are sure of what you are doing.

3.5 Seat depth

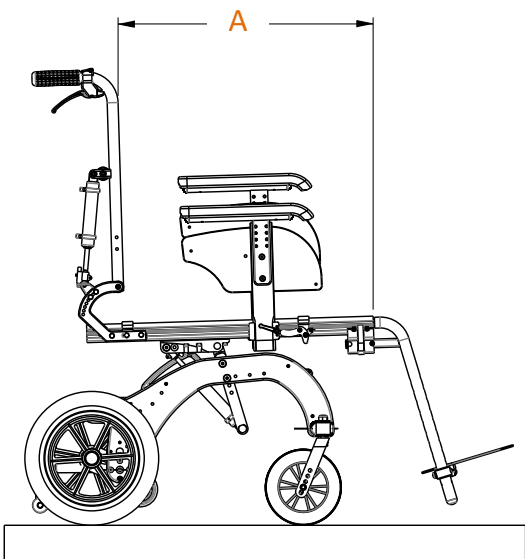
	WHEELCHAIR SIZE	(A) MIN VALUE	(A) MAX VALUE
	S080-V051 – 26 cm	26 cm	32 cm
S080-V052 – 26 cm	32 cm	38 cm	
S080-V053 – 26 cm	38 cm	44 cm	
S080-V054 – 28 cm	28 cm	34 cm	
S080-V055 – 28 cm	34 cm	40 cm	
S080-V056 – 28 cm	40 cm	46 cm	
S080-V057 – 30 cm	30 cm	36 cm	
S080-V058 – 30 cm	36 cm	42 cm	
S080-V059 – 30 cm	42 cm	48 cm	
S080-V060 – 34 cm	34 cm	40 cm	
S080-V061 – 34 cm	40 cm	46 cm	
S080-V062 – 34 cm	46 cm	52 cm	
S080-V063 – 38 cm	38 cm	44 cm	
S080-V064 – 38 cm	44 cm	50 cm	
S080-V065 – 38 cm	50 cm	56 cm	
S080-V066 – 42 cm	42 cm	48 cm	
S080-V067 – 42 cm	48 cm	54 cm	
S080-V068 – 42 cm	54 cm	60 cm	
S080-V069 – 44 cm	44 cm	50 cm	
S080-V070 – 44 cm	50 cm	56 cm	
S080-V071 – 44 cm	56 cm	62 cm	
S080-V609 – 46 cm	46 cm	52 cm	
S080-V610 – 46 cm	52 cm	58 cm	
S080-V611 – 46 cm	58 cm	64 cm	
S080-V072 – 48 cm	48 cm	54 cm	
S080-V073 – 48 cm	54 cm	60 cm	
S080-V074 – 48 cm	60 cm	66 cm	

Table 3



WARNING

It is needed to set separately left and right seat depth. Always set them at the same manner.



**Average needed
time:**

5 min



Difficulty level:

Easy

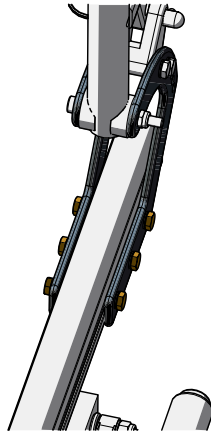


Figure 3



Open-end wrench

10 mm

- Remove the backrest.
- Loosen the 6 screws shown in figure.
- Set the backrest according to the desired seat depth.
- Tight again the 6 screws.
- Mount again the backrest.

FIXED BACKREST

With the fixed backrest (S080-V203, S080-V204, S080-V205, S080-V206, S080-V207) there are only 4 screws.



Figure 4

3.6 Armrests depth



RANGE

It is not easy to provide a range for adjustment of armrests depth because there are too many configuration and possibilities.



RIGHT AND LEFT SIDE

It is possible to adjust separately left and right armrest.



Average needed time:

5 min



Difficulty level:

Easy

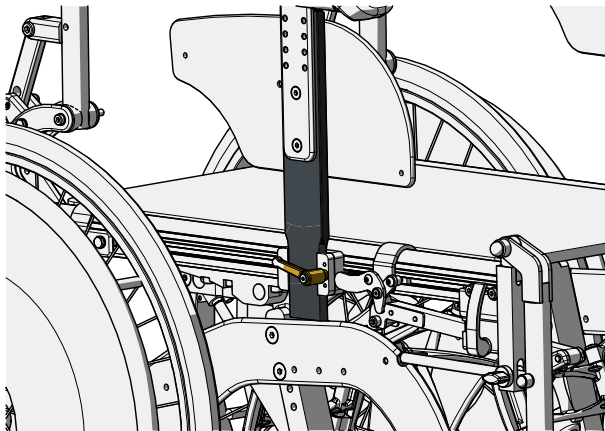


Figure 5

- Loosen the lever shown in figure and remove the armrest.



Allen wrench 4 mm

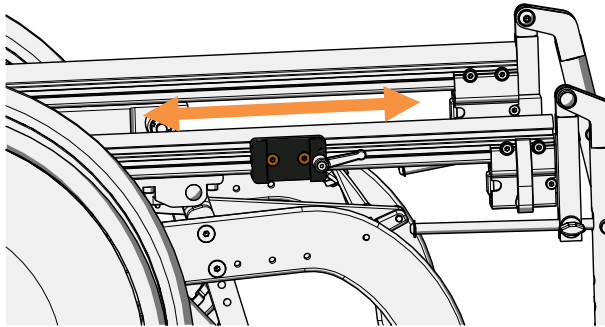
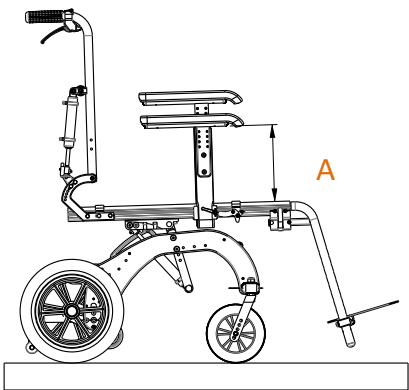


Figure 6

- Loosen the 2 screws shown in figure and set the depth of armrest clamp as desired.
- Tighten again the 2 screws and put back the armrest.

3.7 Armrests height

	ARMREST CONFIGURATION	(A) MIN VALUE	(A) MAX VALUE
	Standard armrest support	20 cm	27 cm
	High armrest support	26 cm	34 cm
	Low armrest support	16 cm	23 cm



RIGHT AND LEFT SIDE

It is possible to adjust separately left and right armrest.



Average needed time:
<5 min



Difficulty level:
Easy

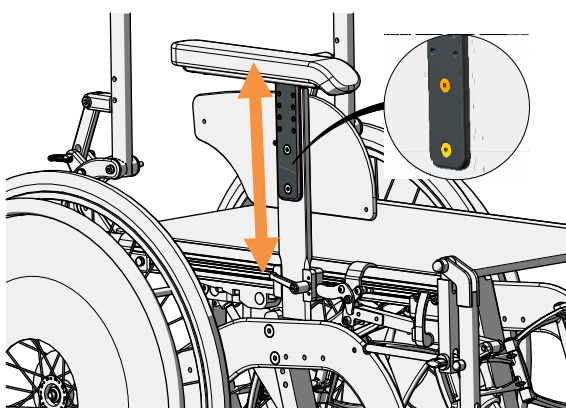


Figure 7



Allen wrench 4 mm

- Loosen the 2 screws shown in figure.
- Set the armrest according to the desired height.
- Tight again the 2 screws.

3.8 Sidepad depth and height



RANGE

It is not easy to provide a range for adjustment of sidepad because there are too many configuration and possibilities.



RIGHT AND LEFT SIDE

It is possible to adjust separately left and right sidepad.



SIDEPAD AND ARMREST HEIGHT

It is better to adjust first armrest height and then the sidepad.



Average needed time:

<5 min



Difficulty level:

Easy

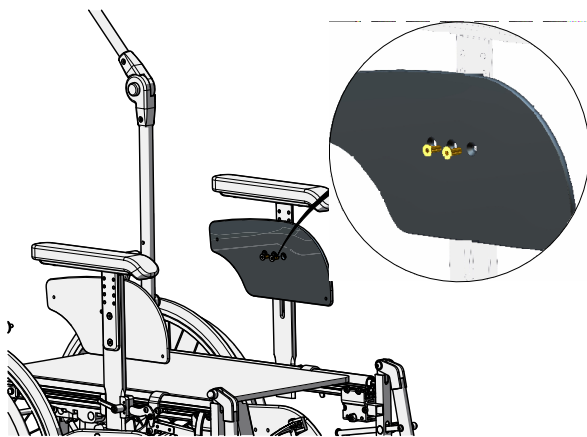


Figure 8

Allen wrench 3 mm

- Unscrew the 2 screws shown in figure and set the position of sidepad as desired.
- Screw again the 2 screws.

RANGE

Vertically it is possible to choose two of shown holes. Please be sure that the chosen position doesn't represent an obstacle for armrest.



Figure 9



Horizontally it is possible to choose two of shown holes. Please be sure that the chosen position doesn't represent an obstacle.

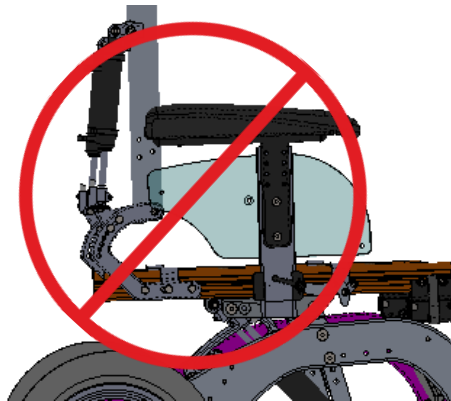
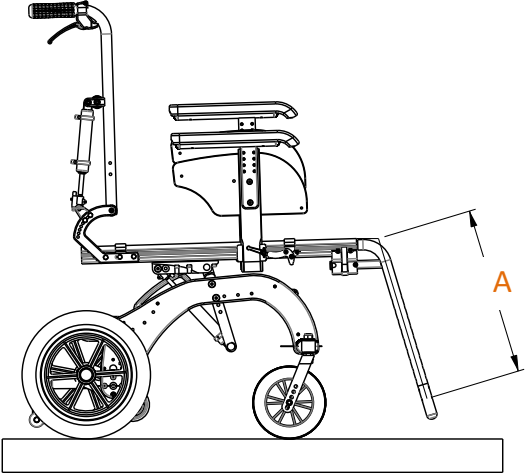


Figure 10

3.9 Footplates height

	LEGREST CONFIGURATION	(A) POSSIBLE VALUES
	Fixed angle S080-V211	15.0 cm 17.5 cm 20.0 cm 22.5 cm 25.0 cm 27.5 cm
	Abducted S080-V212	30.0 cm 32.5 cm 35.0 cm 37.5 cm 40.0 cm
	Angle adjustable S080-V213 Angle adjustable with spring S080-V214	17.5 cm 20.0 cm 22.5 cm 25.0 cm 27.5 cm 30.0 cm 32.5 cm 35.0 cm 37.5 cm 40.0 cm



RIGHT AND LEFT SIDE

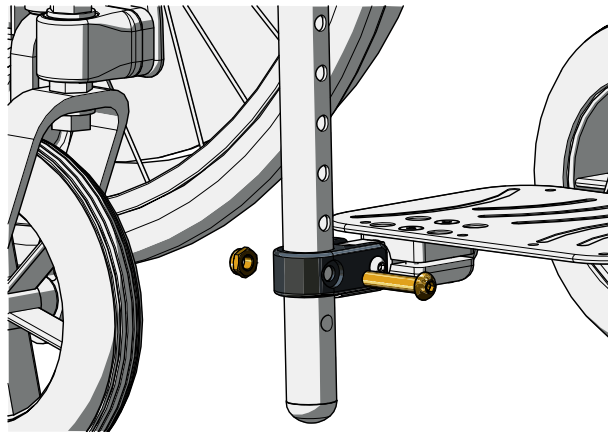
It is possible to adjust separately left and right legrest if you have splitted footrest.



Average needed time:
<5 min



Difficulty level:
Easy



Allen wrench 6 mm



Open-end wrench
13 mm

Figure 11

- Unscrew the screw shown in figure with the 6 mm allen wrench while holding the nut behind with the 13 mm open-end wrench.
- Repeat the operation for both left and right side of the wheelchair.
- Set the position of the footplate according to desired height.
- Screw again the screws.

3.10 Footplates depth and angle



RANGE

It is not easy to provide a range for adjustment of footrests because there are too many configuration and possibilities. In any case it is always possible to choose between 3 different depth.



RIGHT AND LEFT SIDE

It is possible to adjust separately left and right legrest if you have splitted footrest.



Average needed time:

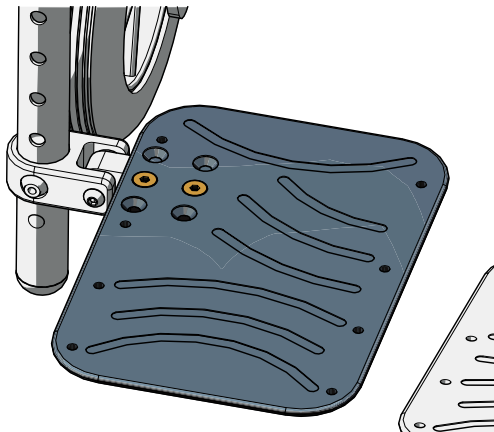
<5 min



Difficulty level:

Easy

Angle adjustment

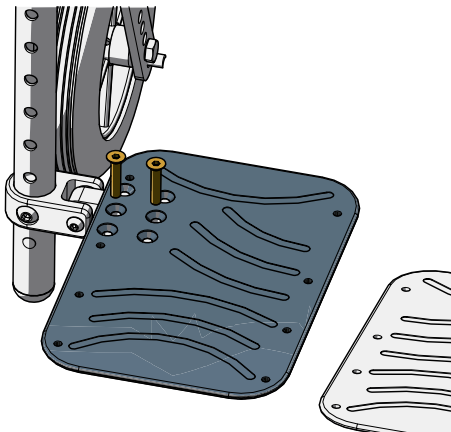


Allen wrench 4 mm

Figure 12

- Loosen the 2 screws shown in figure.
- Set the position of the footplate according to desired angle.
- Tighten again the screws.

Depth adjustment

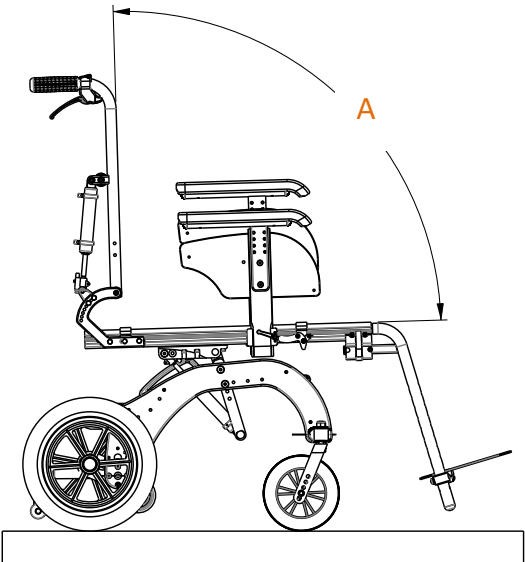


Allen wrench 4 mm

Figure 13

- Unscrew the 2 screws shown in figure.
- Set the position of the footplate according to desired depth.
- Screw again the 2 screws.

3.11 Backrest angle

	BACKREST CONFIGURATION	(A) POSSIBLE VALUES
	Fixed angle 90° S080-V203	90°
	Fixed angle 95° S080-V204	95°
	Fixed angle 100° S080-V205	100°
	Fixed angle 105° S080-V206	105°
	Fixed angle 110° S080-V207	110°
Angle adjustable with fixed position S080-V208	90° or 110° 95° or 115° 100° or 120° 105° or 125° 110° or 130° 115° or 135°	
Angle adjustable with pistons S080-V209	90° - 130° 95° : 130° 100° : 135° 105° : 135° 110° - 140° 120° - 145°	
Dynamic active backrest with spring S080-V628 50 N S080-V629 100 N S080-V630 150 N S080-V631 200 N S080-V632 400 N	90° - 110° 95° : 110° 100° : 115° 105° : 115° 110° - 120° 120° - 125	



WARNING

It is needed to set separately left and right backrest angle. Always set two parts of backrest at the same manner.

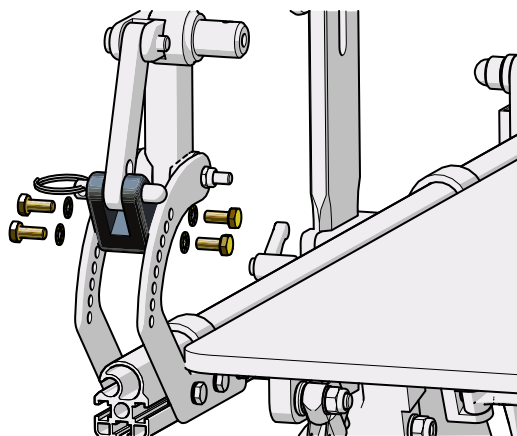


Average needed time:
5 min



Difficulty level:
Easy

Angle adjustable with fixed position S080-V208



Open-end wrench
10 mm

Figure 14

- Unscrew the 4 screws shown in figure.
- Set the position of the hardware highlighted in figure according to the desired backrest angle.
- Screw again screws.

ADDITIONAL ADJUSTMENT

After adjusted the angle of backrest as described above it is possible to adjust of more 20° simply acting on the axis shown in figure.

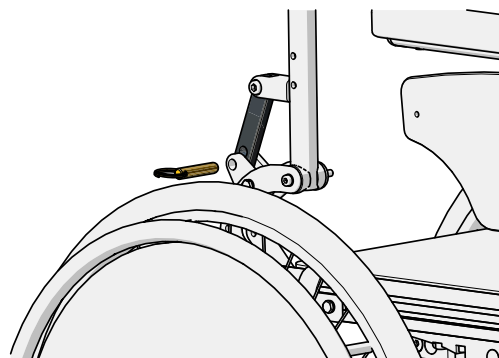


Figure 15

Angle adjustable with pistons S080-V209 - Dynamic active backrest with spring S080-V210

In order to adjust the backrest use the levers as described in section 4.5.

3.12 Push handle height



WARNING

This section refers only to wheelchair with standard pushbar and push handles. S080-V380



RANGE

It is not easy to provide a range for adjustment of push handles depth because there are too many configuration and possibilities.



RIGHT AND LEFT SIDE

It is possible to adjust separately left and right push handle.



Average needed time:

5 min



Difficulty level:

Easy

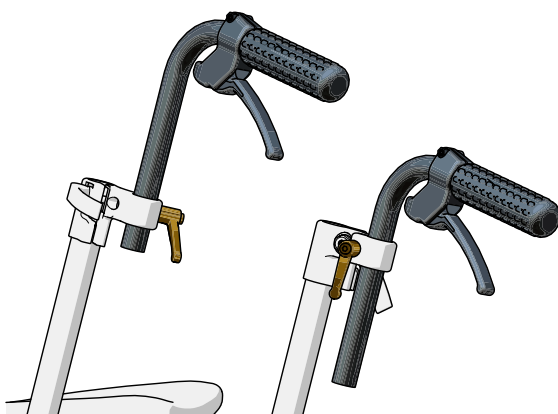


Figure 16

- Loosen the lever shown in figure and set the height of push handle as desired.
- Tighten again the lever.

3.13 Pushbar position



RANGE

It is not easy to provide a range for adjustment of pushbar because there are too many configuration and possibilities.



Average needed time:

5 min



Difficulty level:

Easy

Standard pushbar and separated push handles S080-V382

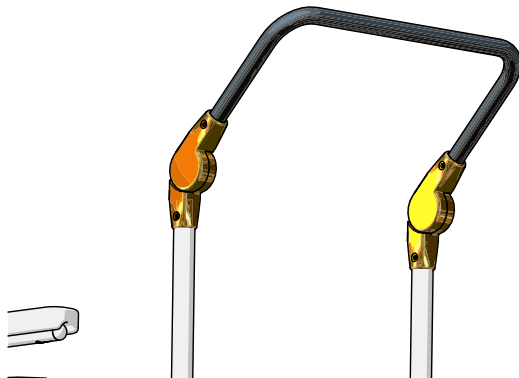
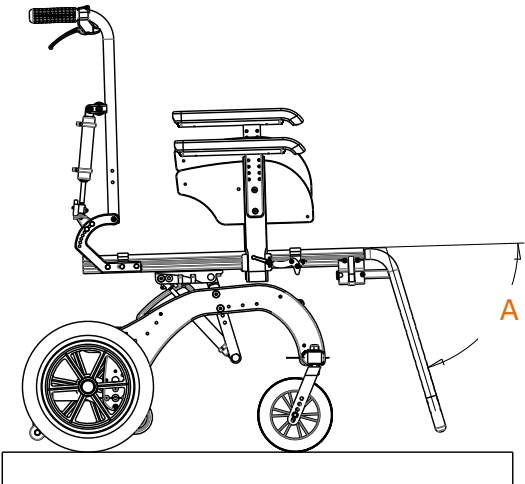




Figure 17

- Push the buttons shown in figure and set the position of pushbar as desired.

3.14 Legrest angle

	LEGREST CONFIGURATION	(A) POSSIBLE VALUES
	Fixed angle S080-V211	75°
	Abducted S080-V212	90°
	Angle adjustable with spring S080-V213	90° - 170°
Angle adjustable with spring S080-V214		

Angle adjustable S080-V213 - Angle adjustable with spring S080-V214

 <p>Average needed time: <1 min</p>	 <p>Difficulty level: Easy</p>
--	---

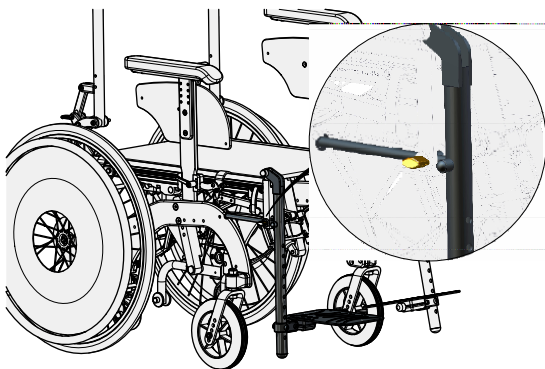


Figure 18

- Loosen the lever shown in figure.
- Set legrest angle as desired.
- Tighten again the lever.

DYNAMIC FUNCTION S080-V214

It is possible to use the legrest with springs S080-V214 as dynamic legrest, simply loosening the lever shown in figure. In this way the legrest tube will move together with the leg of the user in case of unwanted movements of it.

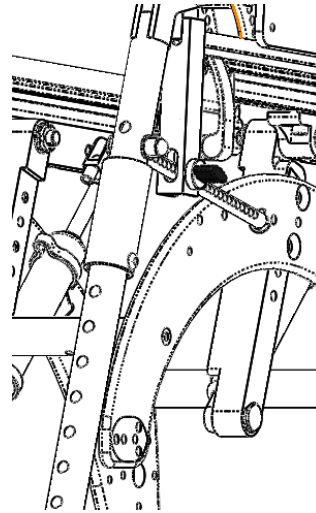


Figure 19

DYNAMIC FUNCTION LOCK S080-V214

If needed, in order to unlock this movement, you have to simply tighten again the lever shown in figure.

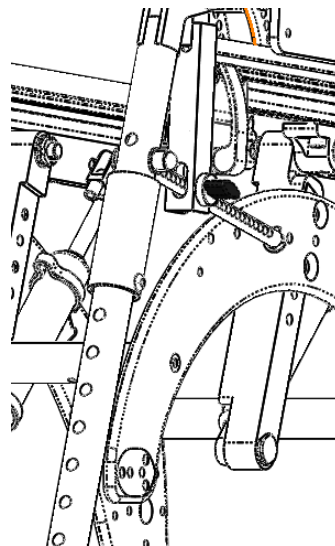


Figure 20

3.15 Brake adjustment



WARNING

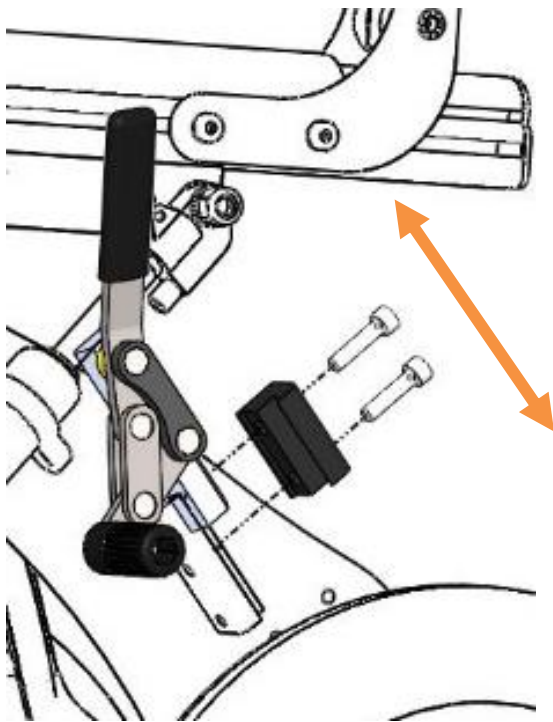
It is needed to set separately left and right brake position. Always set two parts of brake at the same manner.



Average needed time:
5 min



Difficulty level:
Easy



Allen wrench 5 mm

Figure 21

- Loosen the 2 screws shown in figure.
- Set the armrest according to the desired height.
- Tight again the 2 screws.



WARNING

Always check that it is possible to act on brake and that the brake correctly lock the wheel.



WARNING

If you have pneumatic wheels, before adjusting the brake always check for their pressure and usury.

3.16 Default position

Default position means that all adjustable parts of the wheelchair are set in the most stable and safe configuration

ADJUSTABLE PARTS	VALUE	NOTES
Seat angle	0°	
Backrest angle	90°	Or minimum
Legrest angle	75°	Or minimum

4 USE OF THE PRODUCT

WARNING



Do not stand on the product. Always use caution when transferring in or out of the seat. Every precaution should be taken to reduce the transfer distance. Also be certain the wheel locks are engaged to prevent the wheels from moving.

Do not let children use the wheelchair without supervision.

Do not carry passengers on the seat independently of the age of the passenger.

The wheelchair is not suitable for weight carrying.



INFORMATION

The product is not intended to be dismantled. There are no parts of the product expected to be handled during normal use of it



INFORMATION

Do not install, maintain or operate the product without reading all warnings and this entire manual.

Always keep this manual in connection with the product.

WARNING



Do not carry passengers on the wheelchair independently of the age of the passenger. The wheelchair is not designed for weight training and is unsafe for use as a seat while weight training. Do not lean over the top of the back upholstery to reach objects from behind as this may cause the wheelchair to tip over. Do not shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over. Do not stand on the frame of the wheelchair.

Some pathologies may limit your ability to use your wheelchair safely. Be sure to consult with a doctor about your physical limitations.

Dealing with uphill

When facing an uphill road it is recommended to set the seating system to default position with the exception of seat angle. It is preferable to have a seat angle as major as possible (seat rearward).

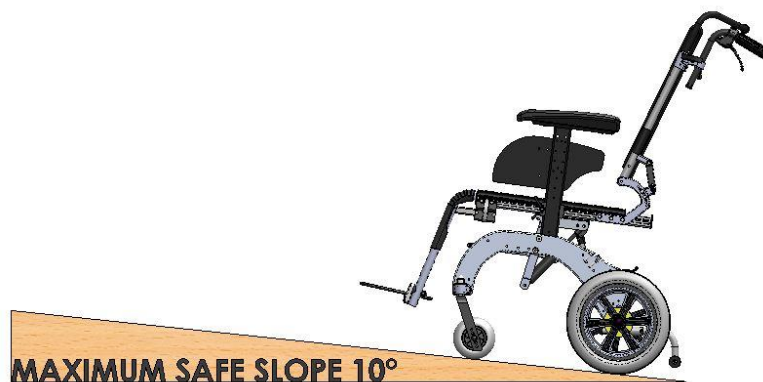


Figure 22

Dealing with downhill

When facing a downhill road it is recommended to set the seating system to default position.



Figure 23



WARNING

Don't use the wheelchair up or down slopes with a gradient than indicated in specifications of this manual.

Don't use the wheelchair up or down ramps that are not equipped with proper edge protection to prevent the wheelchair from falling down.

Don't use the wheelchair down or up a hazardous incline if the surface is covered with snow, ice or the surface is uneven.

Dealing with side slopes

When facing with side slopes, always use the wheelchair with great caution and make sure the seating system is in the default position.



Figure 24

Turning with the wheelchair

When turning with the wheelchair, always use great caution and make sure the seating system is in the default position.

Obstacle climbing

When facing with an obstacle, always use great caution and make sure the seating system is in the default position. Always face an obstacle facing forward. To help yourself to climb an obstacle, an assistant can use the tipping lever or the antitip bar to tip the wheelchair. With antitip device, it is possible to lightly pull the tubular and rotate it.

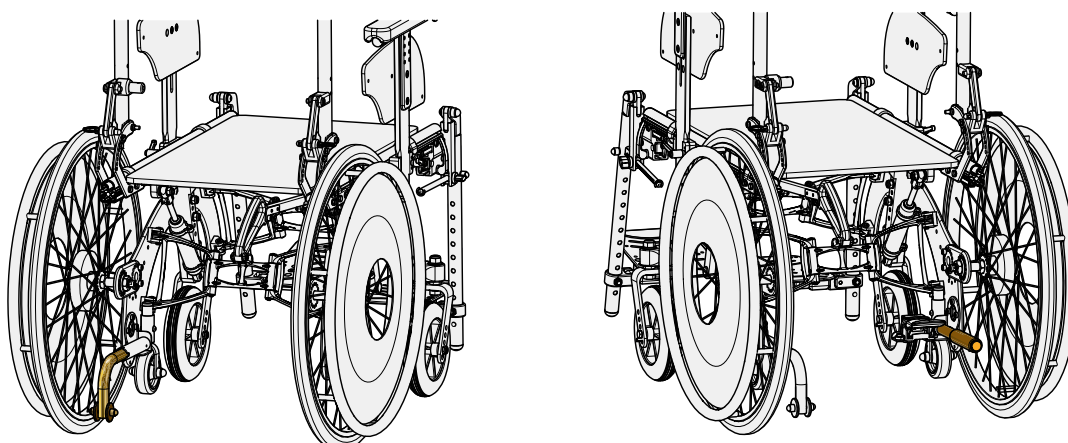


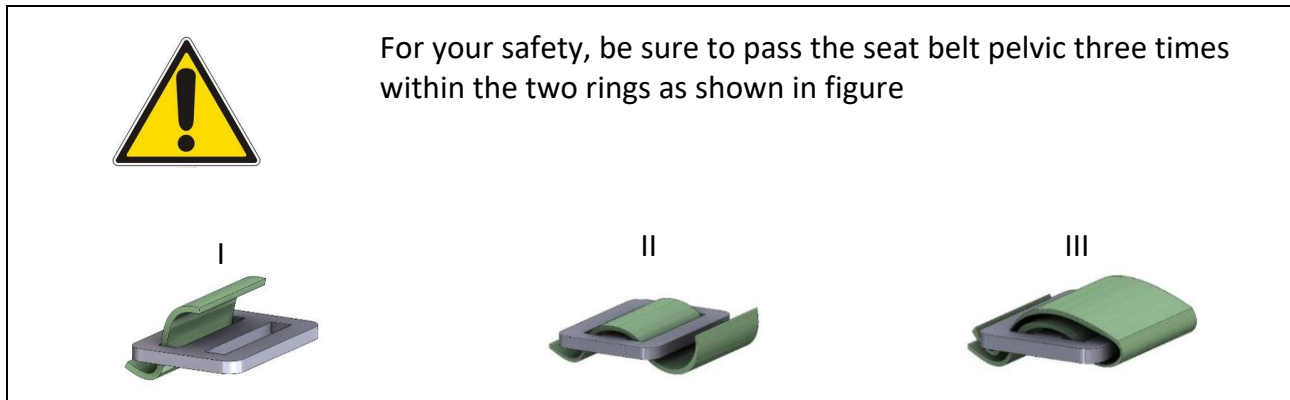
Figure 25

Driving in dark environments

Don't use the wheelchair in dark environments.

Safety belt

The wheelchair has the predisposition for a pelvic belt. **Pelvic belt is only design to position the user and not for any protection in case of accident.**



Transfer into and out the wheelchair

Users transfer is recommended with the presence of an assistant. Don't use footrests or armrests as support.

Lift of the wheelchair

Do not lift the wheelchair with a user on board. Do not lift the wheelchair grabbing the legrests. If you really need to lift the wheelchair, it is suggested to grab it with two hands in the middle part of seat extruded tubes as shown in figure.

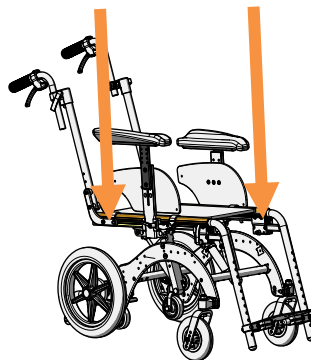
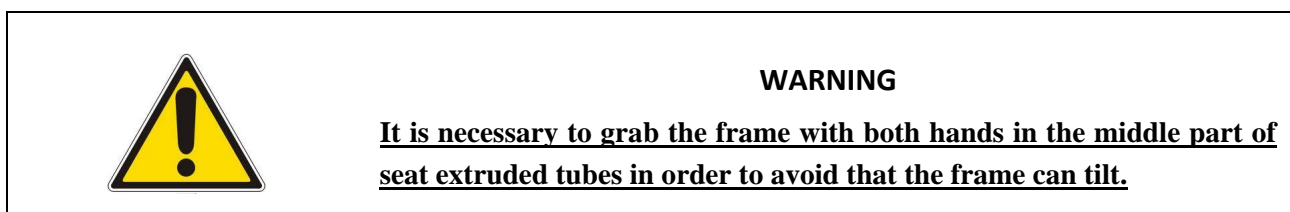


Figure 26



4.1 Use of parking brakes

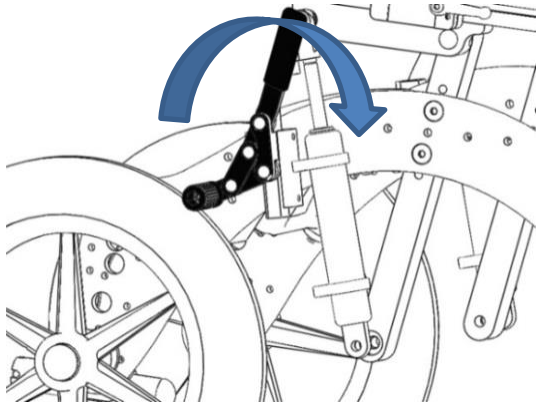


Figure 27

- To lock the wheelchair use the lever shown in figure.



WARNING

When you operate the brakes, operate always both left and right brake. The use of the wheelchair with only one wheel locked could be dangerous

Wheelchair with drum brake S080-V108

In order to operate drum brake use the levers as described in section 4.5.

4.2 Use as seat in a motor vehicle

The wheelchair is designed to be secured facing forward when used as a seat in a motor vehicle and it complies with the requirements of ISO 7176-19:2008.

Ease of access to, and maneuverability in, motor vehicle can be significantly affected by wheelchair size and turning radius. Smaller wheelchairs or with a shorter turning radius will generally provide greater ease of vehicle access and maneuverability to a forward-facing position.

Always use ISO 10542-1 approved Wheelchair Tiedown and Occupant Restraint Systems, which are suitable for the weight of the wheelchair.

Wheelchair users should transfer to the vehicle seat and use the vehicle-manufacturer-installed restraint systems whenever it is feasible and the unoccupied wheelchair should be stored in a cargo area or secured in the vehicle during the travel.

For the correct positioning of occupant belt restraints on the user, please consider following.

- The pelvic belt should be worn low across the front of the pelvis, so that the angle of the pelvic belt is within the preferred zone of 30° to 75° to the horizontal, similar to that shown in figure.

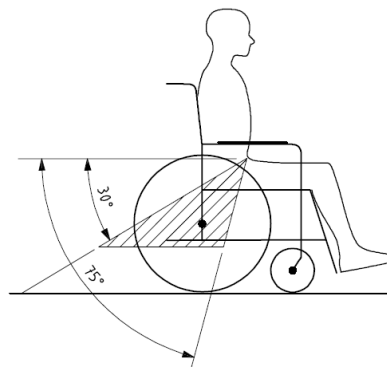

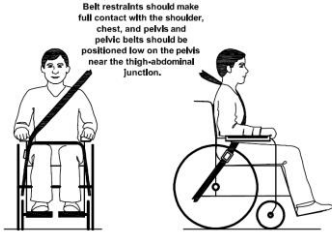




Figure 28

- Belt restraints should be adjusted as tightly as possible, consistent with user comfort.
- Belt should not be twisted during the use.

IMPROPER BELT RESTRAINT FIT	PROPER BELT RESTRAINT FIT
	
<p>BELT RESTRAINTS MUST NOT BE HELD AWAY FROM THE BODY BY WHEELCHAIR COMPONENTS SUCH AS ARMRESTS OR WHEELS</p>	<p>BELT RESTRAINTS SHOULD MAKE FULL CONTACT WITH THE SHOULDER, CHEST AND PELVIS AND PELVIC BELTS SHOULD BE POSITIONED LOW ON THE PELVIS NEAR THE THIGH ABDOMINAL JUNCTION</p>

	<p>WARNING</p>
<p><u>The seating system must be set in the DEFAULT POSITION when used in a motor vehicle. Particularly be sure that the seat is horizontal, legrest are completely down and backrest is completely up. For more information see section</u></p>	

	<p>WARNING</p>
<p><u>LB wheelchair has lots of configurations and accessories. The wheelchair safety when used as a seat in a motor vehicle is assured by the manufactured if the specific configuration is mentioned in the order form and if all instructions in the manual are followed. Particularly it may exist some options or accessories that are not compatible with the use of the wheelchair as a seat in a motor vehicle, or it may exist some accessories that require some precautions.</u></p>	

WARNING

If the backrest is with gas springs, when using the wheelchair as a seat in a motor vehicle, it is necessary to lock the movement of the gas springs with the locking system shown in the picture. Always repeat the operation for the left and right side of the wheelchair. WARNING: Safety of wheelchair and user can't be assured when the movement of gas springs is not correctly locked while using the wheelchair as a seat in a motor vehicle.



Figure 29



WARNING

The wheelchair has been dynamically tested in a forward facing orientation with the ATD restrained by both pelvic and shoulder belts.



WARNING

Both pelvic and shoulder belt should be used to reduce the possibility of head and chest impacts with vehicle components.



WARNING

In order to reduce the potential of injury to vehicle occupants wheelchair tray should be removed and secured separately in the vehicle.



WARNING

When possible other auxiliary wheelchair equipment should be either secured to the wheelchair or removed from the wheelchair and secured in the vehicle during travel, so that it does not break and cause injury to vehicle occupants in the event of a collision.



WARNING

Postural supports should not be relied on for occupant restraint in a moving vehicle unless they are labelled as being in accordance with the requirements specified in ISO 7176-19:2008.



WARNING

The wheelchair should be inspected by a manufacturer's representative before reuse following involvement in any type of vehicle collision.



WARNING

Alterations or substitutions should not be made to the wheelchair securement points or to structural and frame parts or components without consulting the wheelchair manufacturer.



WARNING

Care should be taken when applying the occupant restraint to position the seatbelt buckle so that the release button will not be contacted by wheelchair components during a crash.

4.2.1 Four points tie-down

Use the tie down points marked with the symbol shown in figure.



Figure 30

Use the tie down points marked with the symbol shown in figure. Hook the wheelchair in 4 points: two in the front part and two in the rear part.

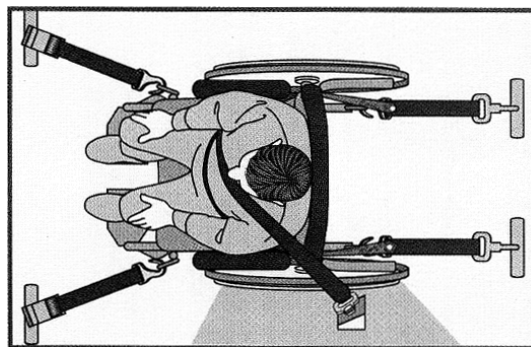


Figure 31

Tie down straps should form angles shown below.



WARNING

Always use four tie down straps.

4.3 Opening and closing of the frame



WARNING

This section refers only to wheelchair with folding frame

- To open the frame, firstly unlock the fixing clip on the right side. Fix the floating clip on the fixing point (L) on the left side of the frame as shown in figure.

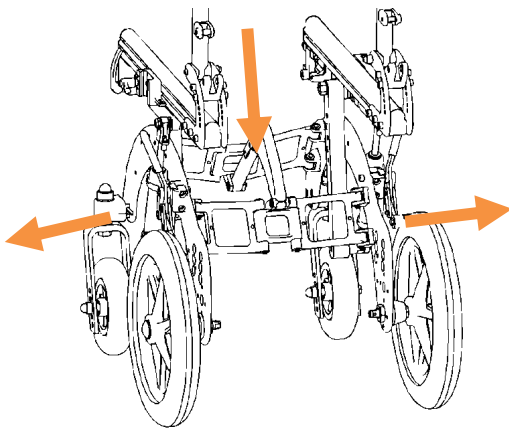


Figure 32

- Then it will be sufficient to space the side panels and apply a light pressure on the handle shown in figure.
- The wheelchair has reached the maximum opening to the completion of a click.

To close the wheelchair it is sufficient to pull the handle and bring together the side panels of the seat. **When you close the chassis remember to position the belt with two clips one on the left side and the other on the right side to keep it closed.**



PINCH HAZARD

An incorrect handgrip of the handle might cause hand injuries.

4.4 Seating system

According to different needs, the wheelchair can be equipped with different type of seating systems.

4.4.1 Removable rigid plane

Removable rigid plane can be used as a base for other seating systems.

Removable rigid plane can be equipped with adhesive strips in order to facilitate positioning and fixing of seating system.

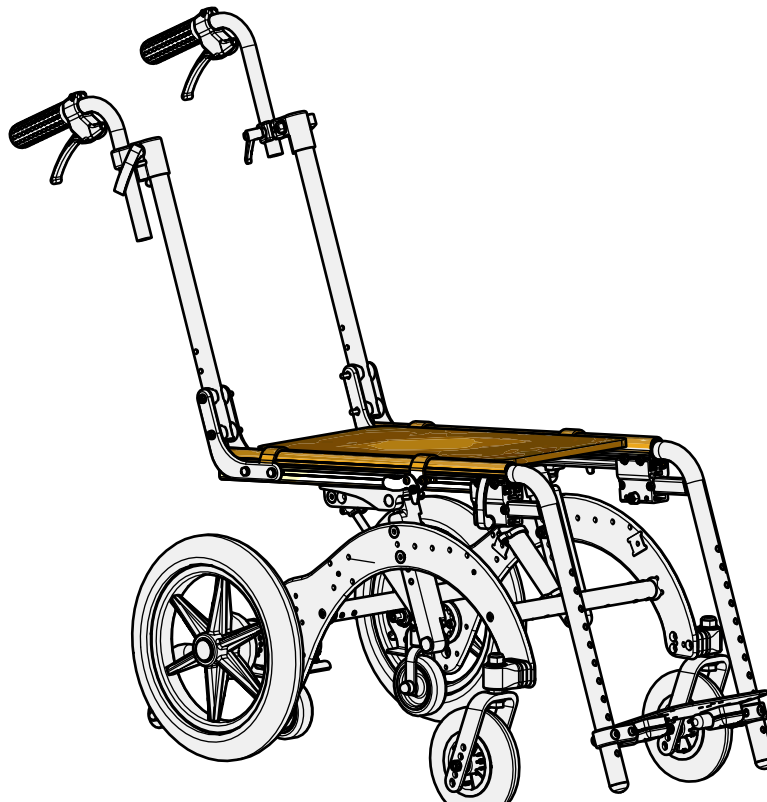


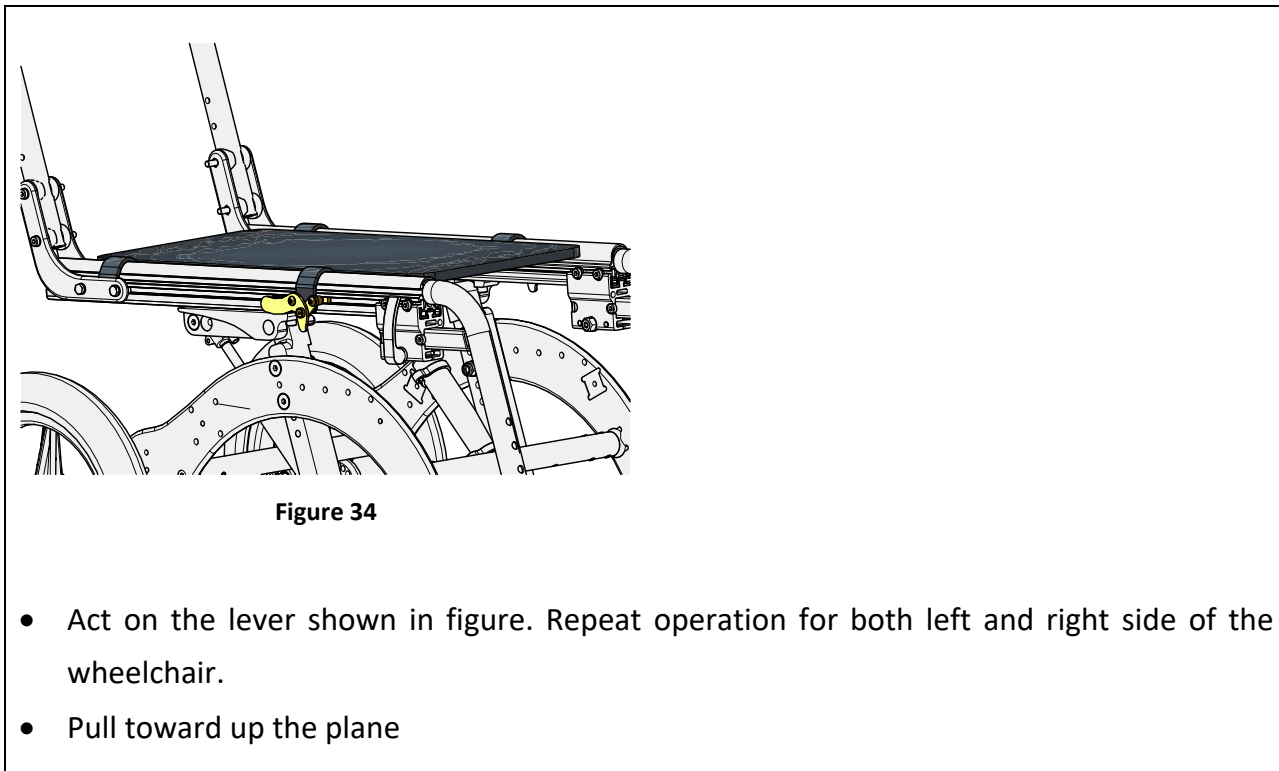
Figure 33



WARNING

It is not possible to use the removable rigid plane as a seat.

In order to remove the rigid plane, please act as described following.



4.4.2 Canvas


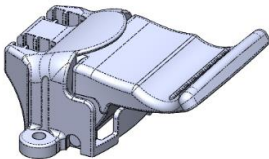

Canvas can be used directly as a seat or equipped with adhesive strips in order to position and fix another seating system.

4.5 Lever operated functions

Wheelchair has the possibility to be equipped with some functions operated with levers. These functions are:

- Seat tilt operated with a foot lever (S080-V627) or a hand operated lever (S080-V202).
- Drum brake S080-V108
- Dynamic backrest with gas springs S080-V209
- Dynamic active backrest with gas springs S080-V6xx

According to the configuration of the wheelchair, each of these functions must be operated with one of following levers.

<p style="text-align: center;">A</p>  <p>This lever is located on the upper part of push handle or push bar. Press and hold it to operate the related function.</p>	<p style="text-align: center;">B</p>  <p>This lever is located on the lower part of push handle or push bar. Press and hold it to operate the related function.</p>	<p style="text-align: center;">C</p>  <p>This level is located on the lower part of push handle or push bar. This lever is used for dynamic active backrest. When the black level is completely down, the backrest is locked. In order to unlock it pull the black lever up. In order to lock the backrest in a certain position: pull the black lever up, put the backrest in the desired position, pull the red lever up and push the black lever down.</p>
<p style="text-align: center;">D</p>  <p>This lever is on the lower part of push handle or pushbar. This lever is used to operate drum brake. In order to operate the brake pull the black lever up. It is possible to lock the brake pulling the black lever up and pushing the red lever down. In order to unlock the brake slightly pull the black lever up.</p>	<p style="text-align: center;">E</p>  <p>This lever is located on the lower part of chassis. Press and hold it with your foot to operate the related function.</p>	<p style="text-align: center;">SPLITTER</p>  <p>This is used to operate two gas springs with one lever. It is needed in some configuration.</p>

FUNCTION	LEVER	LEVER	LEVER	LEVER	LEVER	Splitter
	A	B	C	D	E	
1 - Seat tilt - foot 2 - Drum brake 3 - Dynamic backrest	3			2	1	
1 - Seat tilt - foot 3 - Dynamic backrest 4 - Active backrest		3			1	
1 - Seat tilt - foot 2 - Drum brake 4 - Dynamic active backrest			4	2	1	x2
1 - Seat tilt - foot 4 - Dynamic active backrest			4		1	
1 - Seat tilt - foot 2 - Drum brake				2	1	
1 - Seat tilt - foot					1	
1 - Seat tilt - lever 2 - Drum brake 4 - Dynamic active backrest	1		4	2		x2
1 - Seat tilt - lever 3 - Dynamic backrest	3	1				

1 - Seat tilt - lever 2 - Drum brake	1			2		
1 - Seat tilt - lever 2 - Drum brake 3 - Dynamic backrest	1 - 3			2		x2
1 - Seat tilt - lever 4 - Dynamic active backrest	1		4			

4.6 Footrest flip-up

In order to flip up the footrest, push it toward up as shown in figure.

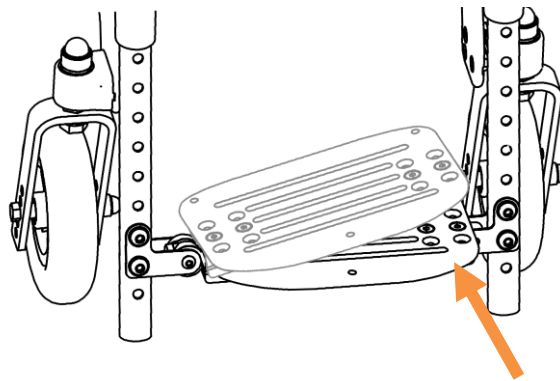


Figure 35

4.7 Use of angle adjustable legrest with spring S080-V214

The legrest allows you to accommodate elevation movements (at knee joint level), of thrust along the tibial axis releasing the muscle contraction thanks to the Dynamic footboard which receives the flexion-extension of the lower arms.

It is possible to choose if leave free the dynamic movement of legrest or block it in a certain position simply acting on a lever.

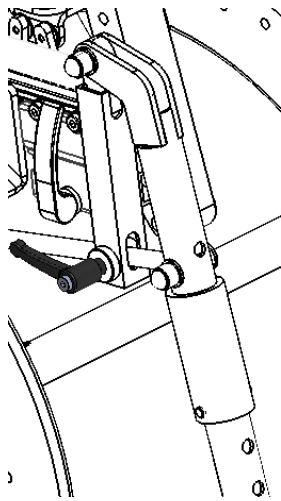


Figure 36

- Loosen the lever shown in figure to let the legrest free to move.
- Tighten the lever shown in figure to block the legrest in a certain position.

4.8 Transport and storage

If you are not willing to use the wheelchair for a long period, keep it safe in a clean area and away from heat.

If it is necessary to transport the wheelchair to facilitate operation follow these instructions.

Remove legrest

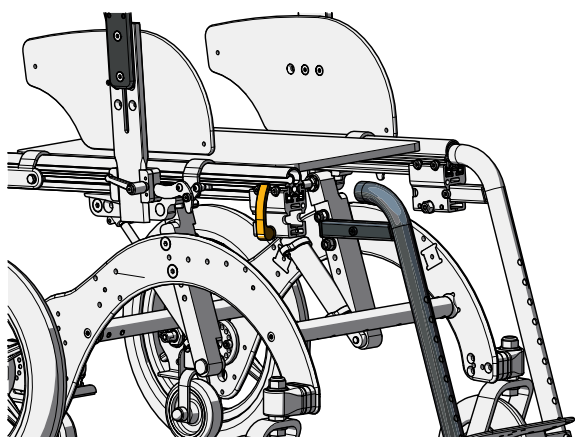


Figure 37

- Loosen the lever shown in figure.
- Remove the legrest. Repeat operations for both right and left side of the wheelchair.

Remove traction wheels

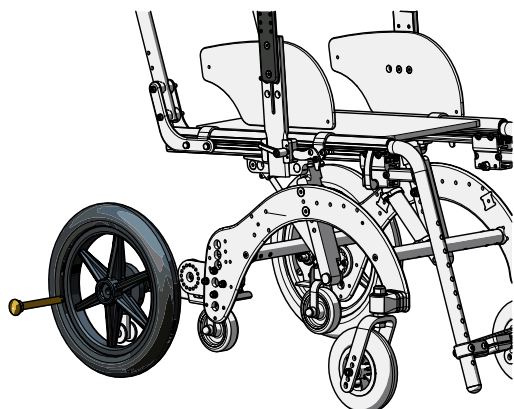


Figure 38

- Press the button shown in figure and pull away the wheel.
- Repeat operations for both right and left side of the wheelchair.

Remove armrests

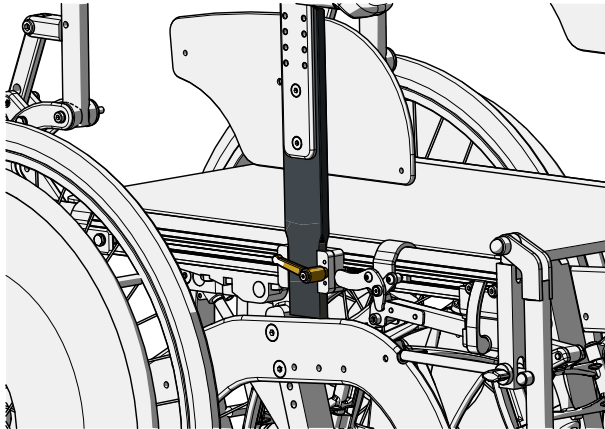


Figure 39

- Loosen the lever shown in figure.
- Remove the armrest.
- Repeat operations for both right and left side of the wheelchair.

Low down the backrest

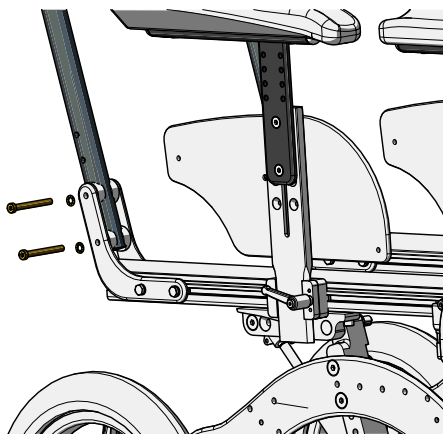


Figure 40

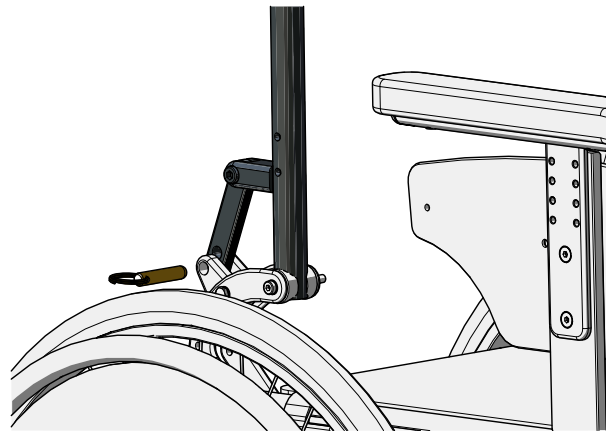
Allen wrench 5 mm

Open-end wrench
10 mm

- Unscrew the 2 screws shown in figure with the 5 mm allen wrench while holding the nut behind with the 10 mm open-end wrench.
- Repeat the operation for both left and right side of the wheelchair.
- Low down the backrest.

NON FIXED BACKREST

To low down the backrest it is sufficient to remove the axis shown in figure.



41

Close the frame - only for wheelchairs with foldable frame

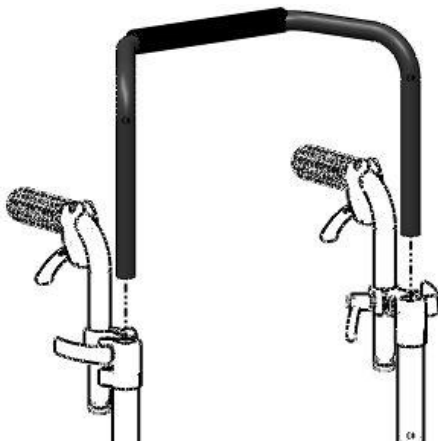


Figure 42

- Loosen the lever shown in figure.
- Remove the pushbar.
- See section 4.3.

The wheelchair can be transported in the storage compartment of the vehicle even without any package. If it is necessary to ship the wheelchair it is very important to protect it with an appropriate package.

It is not possible to provide an universal package, so the user should provide himself for it. The used package must be water and dust resistant and strong enough to protect the wheelchair from any hurts. When inserting the wheelchair into the package protect any protruding parts with some foam or similar.

5 MAINTENANCE

Please remind that the wheelchair is intended exclusively for the carriage of seated people. Below there are some precautions for the use of the wheelchair, which it is recommend to follow, in order to ensure a safe use and a long duration.

Regular maintenance helps to keep intact the functionality and safety of the wheelchair. Inadequate or lack of care and maintenance may cause a limitation of the warranty.

- Avoid prolonged contact of the wheelchair with water. It may cause oxidation of the metal parts.
- Avoid long exposure of the wheelchair to direct sunlight.



WARNING

Any work on the wheelchair must be performed by an authorized service center.

5.1 Maintenance and cleaning

To clean the wheelchair do not use high-pressure water spray devices. For plastic and metal parts use a soft cloth dampened with mild detergent. For the upholstery, linings, seat and back covers use warm water and mild detergent. Do not use stain removers, solvents, acids, etc.

5.2 Controls to be performed on the product

Type of operation	
A	Operation intended to be performed by the user.
B	Operation intended to be performed by an assistant.
C	Operation intended to be performed by an authorized service center.

Operation	Frequency	Type of operation
If the frame is foldable, check correct opening of the frame. See section 4.3.	Before each utilize	B - Assistant
If wheels are pneumatic, check if the pressure is the one indicated on tires and in section 6.	Weekly	B - Assistant
If wheels are pneumatic, check tire usury	Monthly	B - Assistant
Make sure that the brakes are working correctly. See section 4.1.	Monthly	B - Assistant

Check all gas spring to find any oil leaks Monthly

B - Assistant

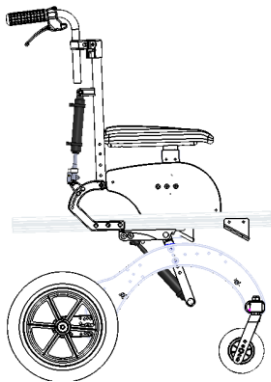


Figure 43

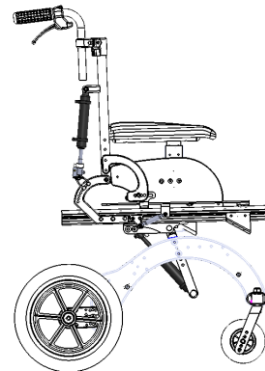


Figure 44



WARNING

In any moment, if you see any deformations of the chassis, please contact immediately an authorized service center to check the correct tightening of all the screws of the frame.

5.3 Tire puncture



WARNING

This section refers only to wheelchair with pneumatic wheels.

5.3.1 User information

Traction wheels

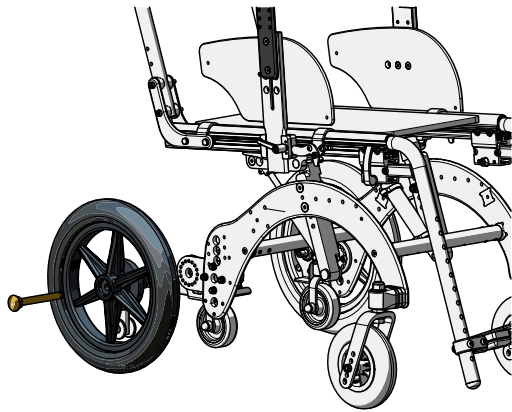
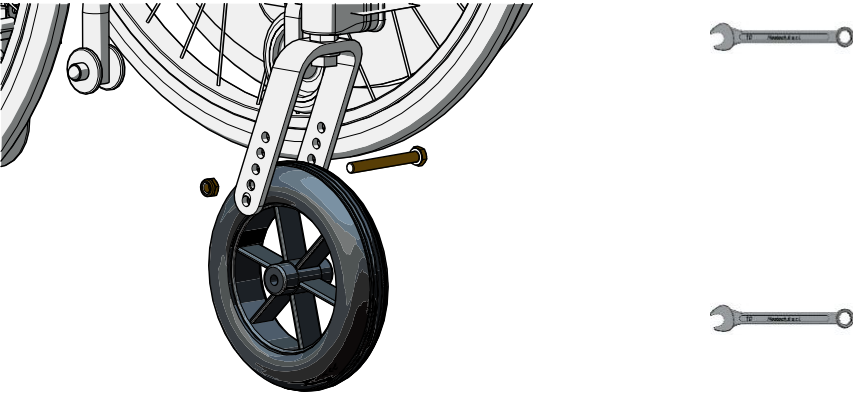


Figure 45

- Press the button shown in figure and pull away the wheel. Press the button shown in figure and pull away the wheel.

Castors wheel



The diagram shows a close-up of a castor wheel assembly. A screw is visible on the top of the castor housing. Two open-end wrenches are shown: one positioned to hold the nut behind the castor housing, and the other positioned to unscrew the screw. The text to the right of the wrenches specifies 'Open-end wrench 13 mm' for both.

Figure 46

- Unscrew the screw shown in figure with the open end wrench while holding the nut behind with the other open-end wrench.
- Remove the castor.



CONTACT INFORMATION

Contact an authorized service center for the repair or the substitution of the damaged wheel.

5.3.2 Service information

When the user requires assistance for a punctured wheel, according to the entity of damage, decide if it is better to repair or substitute the wheel.

5.4 Re-use

The product is suitable for reuse. Before dispensing it, the product must be cleaned, and subjected to maintenance. The operating instructions are included in this manual and must also be provided when the product is passed on.



WARNING

This operation must be performed only at an authorized service center.

6 SPECIFICATIONS

Maximum safety slope (uphill, 10° downhill, lateral)	
Expected lifetime [years]	5
Standard compliance	EN 12183 : 2014 ISO 7176-8

Intended use	The LB wheelchair is intended to be used by those groups of users with temporary or permanent mobility difficulties confined to a sitting position who need to move in mostly internal environments.
--------------	--

WARNING

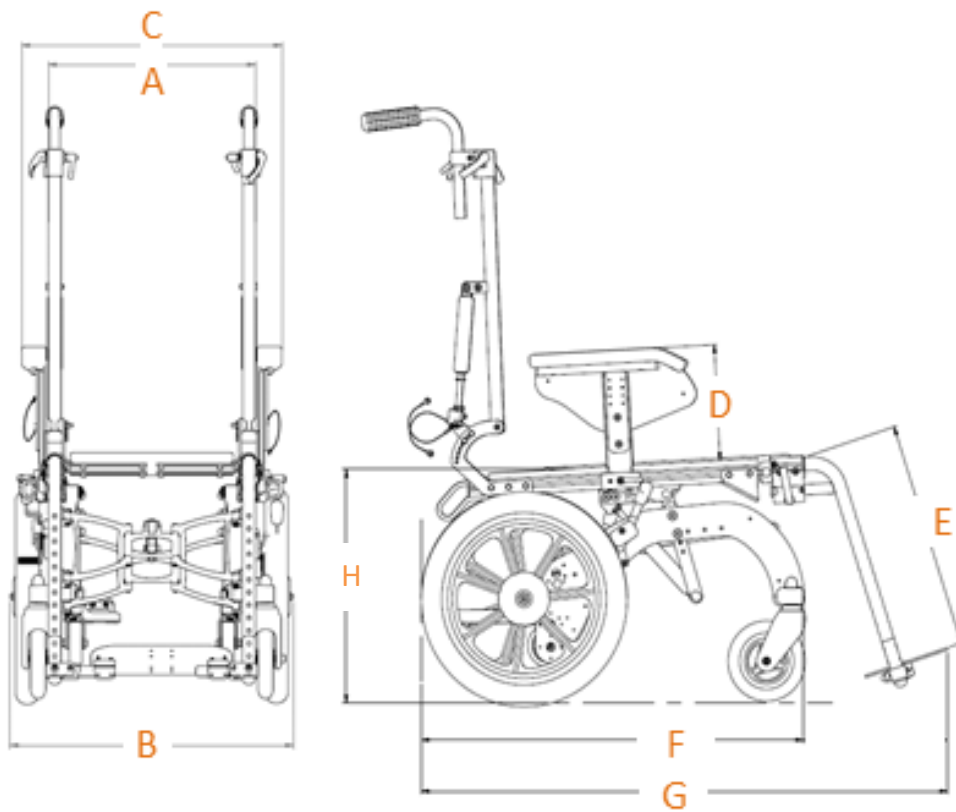


it is prohibited to use the product or its parts for any purpose other than that indicated. The manufacturer disclaims any responsibility for damages caused by improper use of aids.

6.1 Maximum user weight

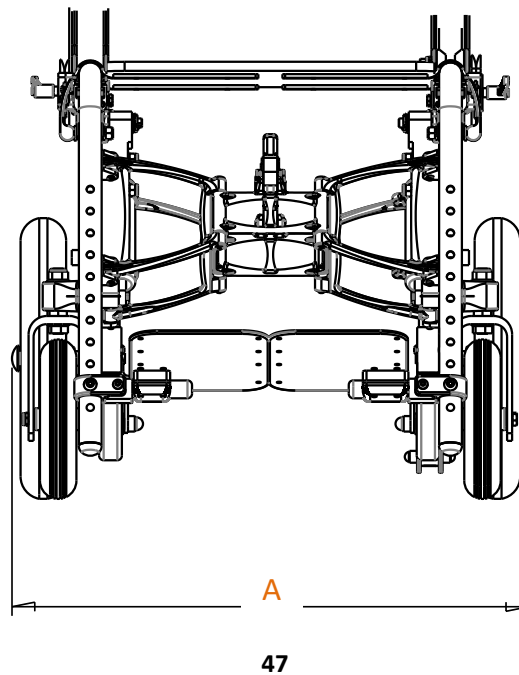
Seat width	MAX
26 cm	50 kg
28 cm	50 kg
30 cm	50 kg
34 cm	75 kg
38 cm	100 kg
42 cm	150 kg
44 cm	150 kg
46 cm	150 kg
48 cm	150 kg

6.2 Dimensions



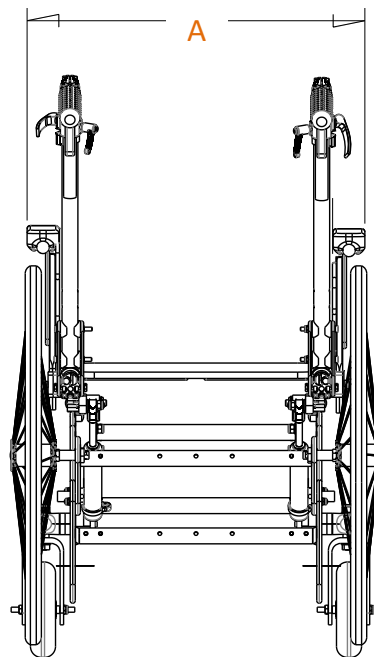
A	26 cm	28 cm	30 cm	34 cm	38 cm	42 cm	44 cm	46 cm	48 cm
B	see section 6.2.1								
C	see section 6.2.2								
D	see section 3.7								
E	see section 3.9								
F	see section 6.2.3								
G	see section N. D.								
H	see section 3.4								

6.2.1 Wheels width



Seat width	A	
	Ø300 mm – Ø400 mm	Ø20" mm – Ø22 mm – Ø24 mm
26 cm [T01 -4] [T24 -4]	47.5 cm	53.5 cm
28 cm [T01 -4] [T24 -4]	47.5 cm	53.5 cm
30 cm [T02 -4] [T25 -4]	49.5 cm	55.5 cm
34 cm [T02 0] [T25 0]	49.5 cm	55.5 cm
38 cm [T12 0] [T32 0]	53.5 cm	59.5 cm
42 cm [T14 0] [T34 0]	57.5 cm	63.5 cm
44 cm [T15 0] [T35 0]	59.5 cm	65.5 cm
46 cm [T16 0] [T36 0]	61.5 cm	67.5 cm
48 cm [T37 0]	63.5 cm	69.5 cm

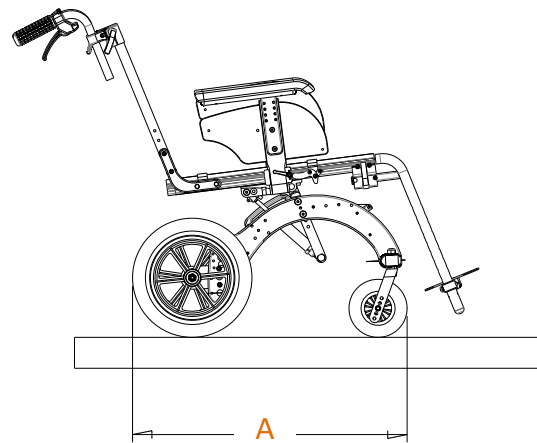
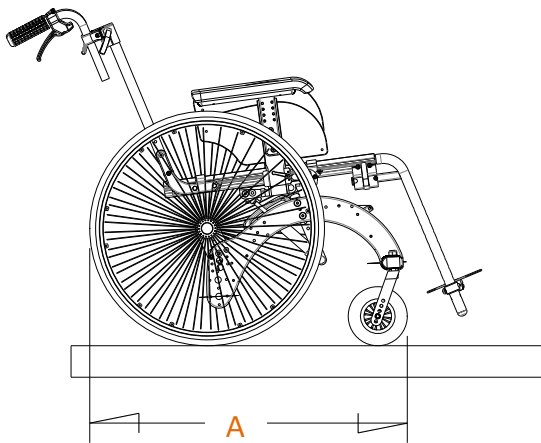
6.2.2 Armrest width



48

Seat width	A
26 cm	37.0 cm
28 cm	39.0 cm
30 cm	41.0 cm
34 cm	45.0 cm
38 cm	49.0 cm
42 cm	53.0 cm
44 cm	55.0 cm
46 cm	57.0 cm
48 cm	59.0 cm

6.2.3 Length



49

Wheels	Seat width 26 cm – 34 cm	Seat width 38 cm – 48 cm
Ø300 mm – Ø125 mm	69.0 cm	70.5 cm
Ø300 mm – Ø150 mm	69.0 cm	71.0 cm
Ø300 mm – Ø175 mm	68.5 cm	70.5 cm
Ø400 mm – Ø150 mm	73.5 cm	74.5 cm
Ø400 mm – Ø175 mm	73.0 cm	75.5 cm
Ø20" – Ø125 mm	79.0 cm	80.0 cm
Ø20" – Ø150 mm	79.0 cm	80.5 cm
Ø20" – Ø175 mm	79.0 cm	80.5 cm
Ø22" – Ø125 mm	81.5 cm	76.0 cm
Ø22" – Ø150 mm	81.5 cm	76.0 cm
Ø22" – Ø175 mm	82.0 cm	83.0 cm
Ø24" – Ø125 mm	74.0 cm	76.0 cm
Ø24" – Ø150 mm	74.0 cm	76.0 cm
Ø24" – Ø175 mm	77.0 cm	85.0 cm

7 Warranty terms

Definitions

MANUFACTURER: Manufacturer means the legal person who manufactures a product. For the scope of the following document, the manufacturer is:

Neatech.it s.r.l.
via Antonio de Curtis 4/A – 80040 – Cercola (NA)
Tel. +39 081 555 1946 – info@neatech.it – neatech@pec.it – www.neatech.it
P.IVA IT04812481218 – REA NA715393

CUSTOMER: Customer means the natural or legal person who buys a product from the manufacturer. For the scope of the following document, the Customer is the holder of the financial document issued by the manufacturer following the supply of the product.

PRODUCT: Product is the good supplied by the manufacturer to the customer in execution of a purchase order

Scope of the guarantee

The manufacturer undertakes to remedy any defect, lack of quality or lack of conformity of the products related to him as a result of design, construction errors or defects in the material that occurred during the warranty period.

Period of application of the guarantee

The warranty period begins with the customer's billing date. The duration of the warranty period varies according to the type of product.

Type of product	Warranty period [months]
Manual wheelchairs	24
Wheelchair parts and accessories (excluding batteries)	24

Table 4

Any repairs or replacements under warranty do not alter the original period of application of the warranty.

Exclusions

The warranty does not cover wearing parts.

Following there are some examples of parts subject to wear.

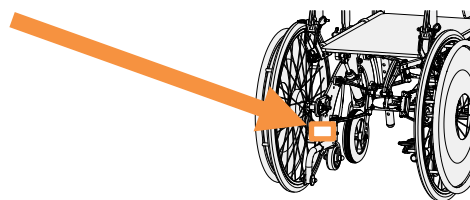
- Wheels - Padded parts (polyurethane foams, viscoelastic) - Upholstery (including canvas) - Handles and knobs - Fuses and bulbs - Electric motor brushes - Filters

The warranty is limited to damage related to the product and cannot under any circumstances cover damage caused to third parties as a result of product failure.

The warranty does not cover parts damaged by overload, inappropriate use, alterations and repairs made by unauthorized third parties. The warranty is not valid in the event of tampering, incorrect storage, incorrect or unauthorized maintenance.

7.1 Serial number

For any report or assistance request, please communicate the serial number mentioned on the label in the position shown in figure.



LB

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