HOGGI®

CLEO

Service instructions

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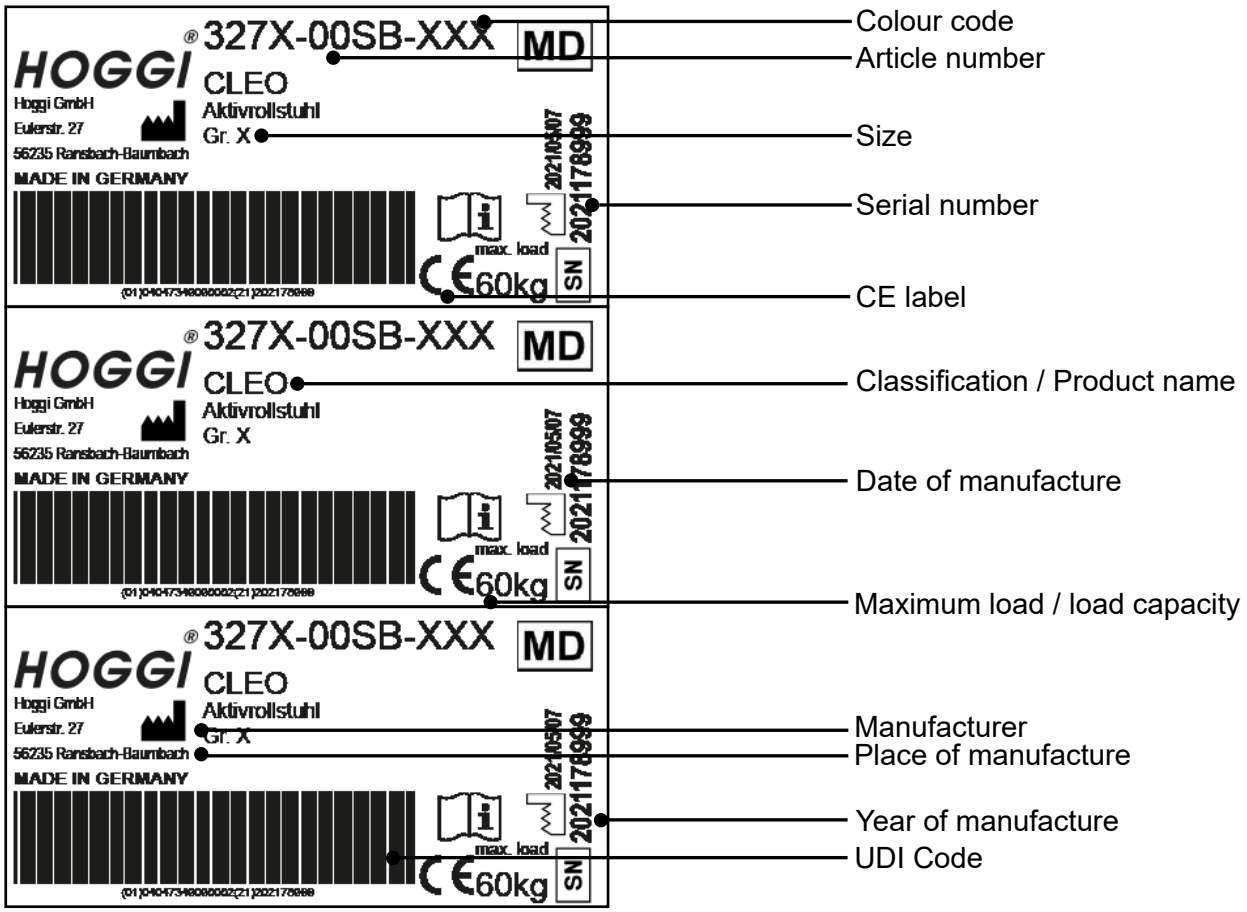
CLEO Service and maintenance instructions

1 Model identification

1.1 Model identification (label)

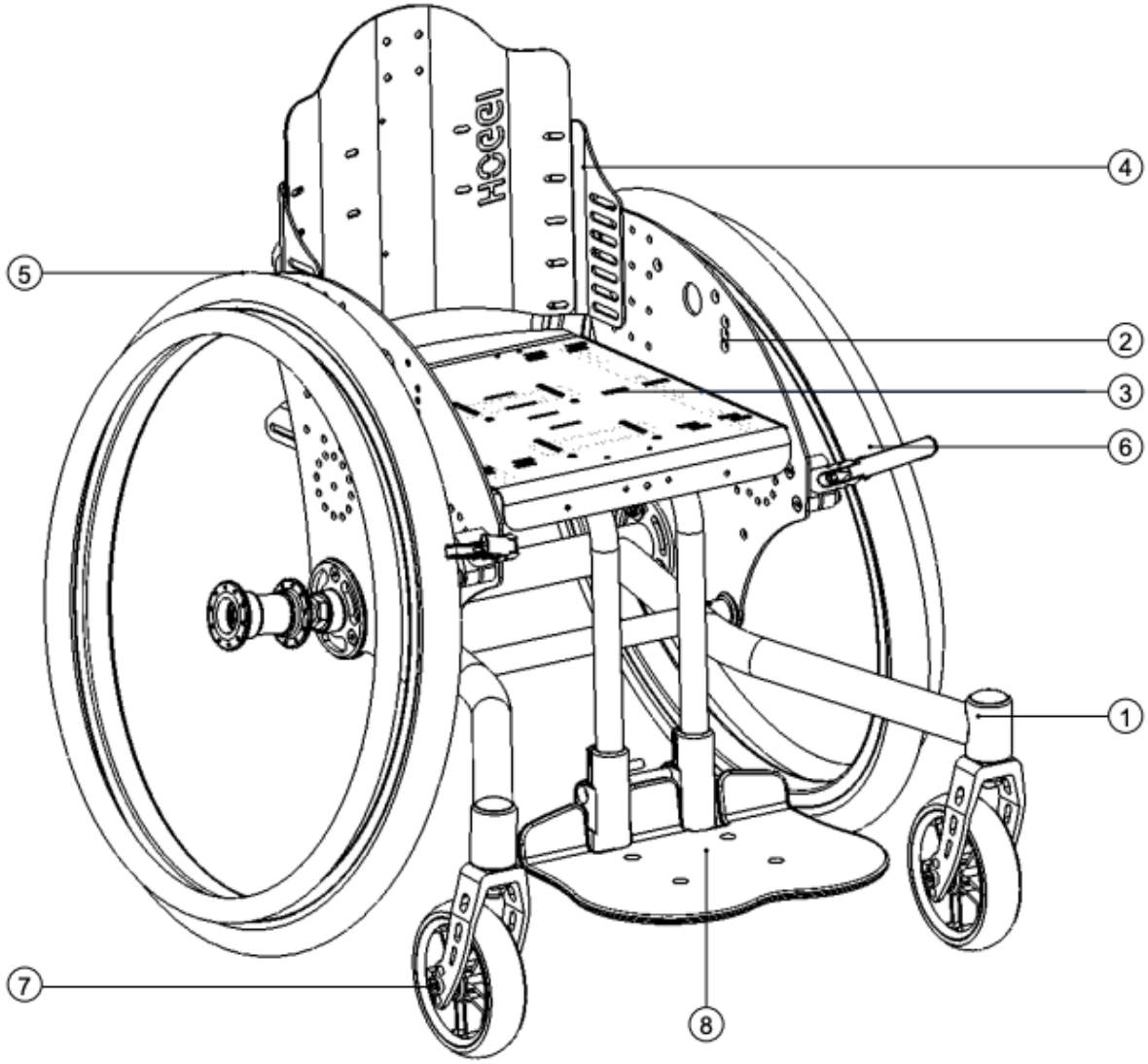
(The label is attached to the axle tube)



1.2 Basic configuration

- Rigid frame active wheelchair in aluminium construction, powder-coated; seat depth grows with the user
- 3 frame sizes:
    - Frame size 1: SW 24-30 cm in 2cm steps
    - Frame size 2: SW 24-34 cm in 2cm steps
    - Frame size 3: SW 26-34 cm in 2cm steps
- Convertible to other seat widths
- Front seat heights: 29 cm up to 46cm
- Seat angle: approx. 0,5° to 11,5°
- Footrest hanger 90° inclusive ABS-footrest
- Backrest angle: -10° up to +10°
- Seat- and back panel
- Clothes cover
- HOGGI light rear wheels inclusive push rims (removable via quick-release axle)
- ***HOGGI*** light wheel locks
- Camber 6°, 9° or 12°
- Load capacity: 60 kg

CLEO Overview



Pos	Article number	Articel description
1	**327X-00SWE**	**CLEO Base frame**
2	**327X-14X0E-XXX**	**Base plates**
3	**3275-21SWE-XXX**	**Seat panel**
4	**3274-XXSWE-XXX**	**Back base with back panel**
	327X-XXSW-XXX	Back base „angle adjustable“
5	129X-XXXX	Rear wheels
6	3275-1700E	HOGGI light Break
7	12XX-100XE	Front wheels with caster fork
8	327X-28XX	Foot rest hanger

3 Common Information

3.1 Preface

Thank you for selecting the **CLEO** wheechair. We have designed this high-quality product to make your life safer and easier, and we've included this manual to help you use and care for it.
Please read the following instructions to make sure you use this product as recommended. If you have any further questions, or if you have any problems, please contact your health-care provider.
We hope that **CLEO** meets your expectations.
We reserve technical modifications regarding the specified model in this manual. Before using the wheechair the first time, this manual has to be read and understood by patient and support personnel in oder to ensure a safe handling with the wheelchair.

Regular maintenance is important - it increases safety and prolongs the life of the product. Every rehab product should be checked and serviced once a year.
However, it is recommended to check, readjust and, if necessary, service products with a high frequency of use, with users in growth or users with a changing clinical picture at 6-month intervals.
Only original spare parts should be used for all service and maintenance work.
The service and maintenance work described here should only be carried out by trained specialist personnel and not by the user of the aid.
These service and maintenance instructions refer to the respective spare parts catalogs and operating instructions of the products described. Please use all documents together.
Use the maintenance schedule (Chapter 4.2, Checklist to tick off) as a copy template.
Retain completed maintenance schedules and provide a copy to the customer.

CLEO	User manual	1910-0040-EN
CLEO	Spare parts catalog	1910-1013-EN

3.2 Application

CLEO wheelchair is designed solely for individual indoor and outdoor use by childern and adolescents who are unable to walk or who have a walking impediment, and can be operated by the patient or by another person.
Assistance may be required due to:
- Paralysis (paraplegia / tetraplegia or tetraparesis)
- Loss of limbs (dysmelia/lower limb amputation)
- Infantile/spastic cerebral palsy
- Spina Bifida
- Muscle and nerve disorders
- Osteogenesis Imperfecta
- Poliomyeliti

The ***CLEO*** wheelchair is able to be used for further service. For further service the product has to be cleaned and sanitised efficiently. Afterwards the product has to be checked concerning condition, wearout and damage by an authorised technician. All damaged and inapropptiate parts need to be changed. Some components can be used again, e.g. Rear wheels, steering wheels or push handles. Please see also the service manual for detailled information.

3.3 Declaration of Conformity

HOGGI GmbH as manufacturer declares under sole responsibility that the ***CLEO*** active wheelchair meets the general safety and performance requirements to Annex I of the Regulation (EU) 2017/745 of the European Parliament and of the Council. Applicable harmonized standards have been applied. ***CLEO*** meets the requirements of ISO 7176-8, DIN EN ISO 12182 and DIN EN ISO 12183.

3.4 Terms of Warranty

Warranty applies only when the product is used according to the specified conditions and for the intended purposes, following all manufacturer’s recommendations.The manufacturer is not responsible for damages caused by components and spare parts not approved by the manufacturer. See also § 8 of terms and conditions on:
www.hoggi.de

3.5 Customer service

Our customer service will be happy to answer any technical questions you may have. Please refer to the last page for contact addresses and telephone numbers.

3.6 Service and repairs

Service and repairs on the ***CLEO*** wheelchair may only be carried out by your specialist dealer. In case of problems, contact your responsible specialist dealer. In case of repairs, you will only receive original spare parts there.
Spare parts and replacement units are available during the entire service life of the product, but only for a maximum of 2 years after the sale of the last product in this series.

The wheelchair is custom made for the first time user. Therefore, no replacement wheelchair is available in the initial configuration. In order to ensure a correct spare parts delivery the serial no. of your wheelchair is required.
We are happy to help you find a dealer near you.
You can reach us at: **info@hoggi.de**

3.7 Packing and shipping instructions

If ***CLEO*** has to be sent back to the manufacturer for repair or exchange the product must be thoroughly cleaned/disinfected beforehand and put in a hygienically safe condition. Packaging is done by wrapping the product in a clean film, ideally with air cushions and the subsequent use of a sufficiently large cardboard box, so that no transport damage can occur.

4 Safety instructions

4.1 Meaning of symbols

Caution!
Warning of possible danger of accident and injury. Warning of possible technical damage.

Information!
About use of product.

Information!
For service-personnel.

Attention!
Read manual before use!

4.2 Common safety instructions

For all maintenance and repair work, you should generally observe a few points:

Attention!
Familiarize yourself with the functions of the product. If you are not familiar with the product, study the user manual before testing. If no user manuals are available, request them from us. You can also download documents from our homepage at: **www.hoggi.de**

Attention!
Study the service and maintenance instructions before starting work.

Attention!
Use suitable tools (see page 4 ff.).

Attention!
Wear suitable clothing and, if necessary, gloves and protective goggles.

Attention!
Secure the product from tipping over or falling down, e.g. from the workbench.

Attention!
Clean / disinfect the product before starting the test. If necessary, observe the instructions in the user manual and product-specific test instructions.

Note!
Screws and nuts with thread locking are used for a large number of screw connections. If you have to open such screw connections, replace the respective nut or screw with one with new thread locking. If new nuts or bolts with thread locking are not available, use liquid thread locking compound with medium strength (e.g. Loctite 241 or Euro Lock A24.20).

5 Required tools and maintenance schedule

5.1 Required tools

The following list shows the tools and utilities required for service.

Reversible ratchet and sockets
size 8-24

Torque wrench
Measuring ranges 5-50 Nm

Wrench
Size 6 - 24

Hexagon wrench
Gr. 3 - 6

Screwdriver
Blade width 2.5 3.5 and 5.5

Phillips screwdriver
Size 2

Plastic hammer

Hammer approx. 300 g

Carpet knife with sickle and
standard blade

Side cutter

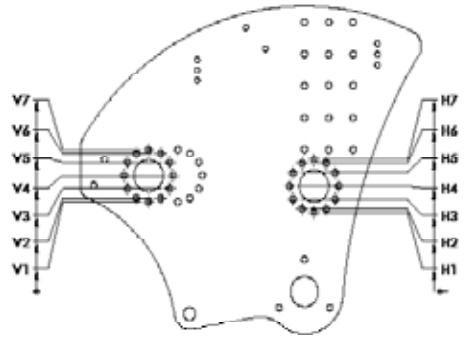
Liquid thread locking
„medium strength

Riveting pliers for rivets up to
5 mm

5.2 Maintenance schedule

Maintenance schedule for regular inspection		***CLEO*** Active wheelchair		Customer:	
Pos.	Area	Check (Checklist to tick off ☑)			
	Serial number:	1.) Function / Setting (see instruction manual)		2.) none damage / defor-mation	3.) Screw connections
1. Basic product					
1.1	Frame & base plates	- Active degree settings - Seat depth/seat height/seat angle	☐	☐	☐
1.2	Back base	- Recline - Active degree settings	☐	☐	☐
1.3	Seat and back unit	-Backrest height, Seat unit settings	☐	☐	☐
1.4	Braking system	- Brakes	☐	☐	☐
1.5	Push bar / Push handles One hand push-handle	- Height adjustment - Angle adjustment of the push handle - Dismount	☐ ☐ ☐	☐	☐
1.6	Wheel fork holder	- Swivelling the wheel forks	☐	☐	☐
1.7	Front wheels	- Tires - Air pressure - Running behavior of the wheels	☐ ☐ ☐	☐	☐
1.8	Rear wheels	- Tires - Air pressure - Running behavior of the wheels - Camber - Quick release	☐ ☐ ☐ ☐ ☐	☐	☐
1.9	Push rim	- Mounting position	☐	☐	☐
	Do the settings on the wheelchair meet the user's requirements?		☐		
Notes:					

		1.) Function / Setting (see instruction manual)		2.) none damage / defor- mation	3.) Screw connections
2. Accessories					
2.1	Fender	- Height adjustment	☐	☐	☐
2.2	Anti tip and tip assist	- Anti tip - Swivel away - Angle adjustment	☐ ☐ ☐	☐	☐
2.3	Footrest hanger	- Lower leg length - Folding away the footrest - Footrest lock - Footrest angle	☐ ☐ ☐ ☐	☐	☐
2.4	Seat / back cushion	- Cushion	☐	☐	
2.5	Spoke guard	- Spoke guard	☐	☐	☐
2.6	Headrests	- Height adjustment - Angle adjustment - Cushion	☐ ☐ ☐	☐ ☐ ☐	☐
2.7	Back rest extension	- Height adjsutment - Cushion	☐ ☐	☐ ☐	☐
2.8	Therapy tray	- Clamping unit	☐	☐	☐
2.9	Tie down kit	- Bracket	☐	☐	☐
2.10	Abduction block	- Bracket - Swivel mechanism	☐ ☐	☐ ☐	☐
2.11	Belt fixings: Lap belt, 4-point lap belt, ankle hugger	- Closures	☐	☐	☐
	Do the settings of the accessoires meet the user's requirements?		☐		
Notes:					
The maintenance was performed by: .....on:					



6. Seat settings

6.1 Seat height & seat angle CLEO

The seat height and seat angle of CLEO are adjusted via the hole matrix on the base plates.
The corresponding holes are shown below.

Support brackets can also be installed in 2 different positions

High(h) and Low(l).
This results in further possible seat heights.

Support bracket installation: high

Support bracket installation: low

The support brackets are screwed to the base plate with M6x20 pan-head screws.

Depending on the holes in which the support brackets are screwed, different seat heights and seat angles can be realised. This results in different seat heights and seat angles for the 3 frame sizes:

CLEO Seat height and seat angle frame size 1

(All seat height data with horizontal seat surface and 9° camber)

	LKR-B	B1l	B2l	B3l	B4l	B5l	B6l	B1h	B2h	B3h	B4h	B5h	B6h	B7h
LKR-F	SH	28	28,5	29	30,5	31,5	31,5	32,5	33	34	35	36,5	37,5	38
F1l	29	3,5°	2,5°											
F2l	29,5	4,5°	3,5°	0,5°										
F3l	30	7,0°	6,5°	3,5°										
F4l	31,5	11,0°	10,5°	8,0°	3,5°									
F5l	32,5				8,5°	3,5°	0,5°							
F1h	33,5							3,5°	2,5°					
F2h	34							4,5°	3,5°	0,5°				
F3h	35							7,0°	6,5°	3,5°				
F4h	36							11,0°	10,5°	8,0°	3,5°			
F5h	37,5										8,0°	3,5°	0,5°	
F6h	38,5											7,0°	3,5°	2,0°

CLEO Seat height and seat angle frame size 2

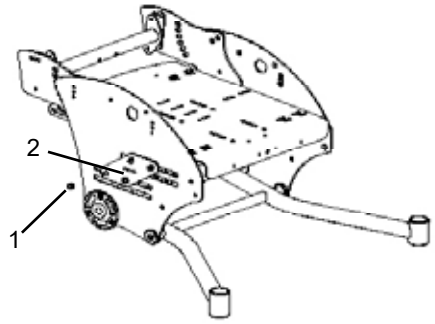
(All seat height data with horizontal seat surface and 9° camber)

	LKR-B	B1l	B2l	B3l	B4l	B5l	B6l	B1h	B2h	B3h	B4h	B5h	B6h	B7h
LKR-F	SH	31	31,5	32	33,5	34,5	35,5	35,5	36	37	38	39,5	40,5	41
F1l	32	3,5°	2,5°											
F2l	32,5	4,0°	3,5°	0,5°										
F3l	33	6,5°	6,0°	3,5°										
F4l	34,5	10,0°	10,0°	7,5°	3,5°									
F5l	35,5			11,5°	7,5°	3,5°	0,5°							
F1h	36,5							3,5°	2,5°					
F2h	37							4,0°	3,5°	0,5°				
F3h	38							6,5°	6,0°	3,5°				
F4h	39							10,0°	10,0°	7,5°	3,5°			
F5h	40,5									11,5°	7,5°	3,5°		
F6h	41,5										11,5°	7,0°	3,5°	2,0°

CLEO Seat height and seat angle frame size 3

(All seat height data with horizontal seat surface and 9° camber)

	LKR-B	B1l	B2l	B3l	B4l	B5l	B6l	B1h	B2h	B3h	B4h	B5h	B6h	B7h
LKR-F	SH	35	35,5	36	37,5	38,5	39,5	39,5	40	41	42	43,5	44,5	45
F1l	36	3,0°	2,5°											
F2l	36,5	4,0°	3,0°	0,5°										
F3l	37	6,5°	6,0°	3,0°										
F4l	38,5	10,0°	9,5°	7,0°	3,0°									
F5l	39,5			11,0°	7,5°	3,0°	0,5°							
F1h	40,5							3,0°	2,5°					
F2h	41							4,0°	3,0°	0,5°				
F3h	42							6,5°	6,0°	3,0°				
F4h	43							10,0°	9,5°	7,0°	3,0°			
F5h	44,5									11,0°	7,5°	3,0°	0,5°	
F6h	45,5										10,5°	6,5°	3,0°	2,0°

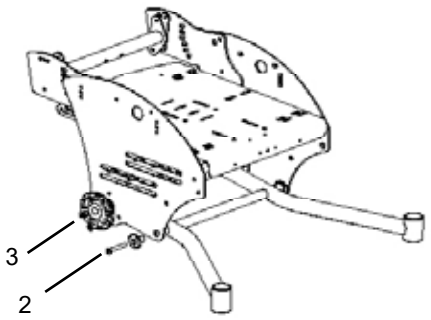


Seat height CLEO Ti

The seat height of the CLEO Ti is realised on the one hand by shifting the seat unit in relation to the slots in the base plate and on the other hand by shifting screws within the edge base itself.

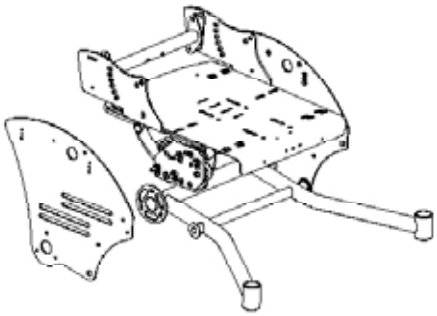
Relocating the seat unit in relation to the base plates

1. Loosen the 4 nuts (1) and remove the pressure plate (2) on both sides of the wheelchair. Keep these for reuse.

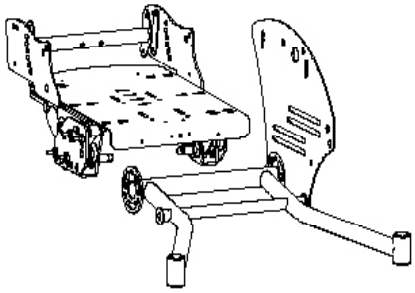


For height adjustment it is sufficient to dismantle only one base plate.

2. Loosen and remove the screw on the base plate with the rosette (2). Keep this for reuse.
   Loosen and remove the 3 screws on the base plate with the camber adapter (3). Keep them for reuse.



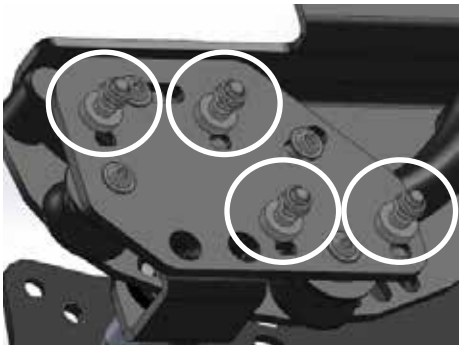
3. The base plate can now be removed.



4. To change the seat height, take the seat unit out of the slots and insert it in the desired position.

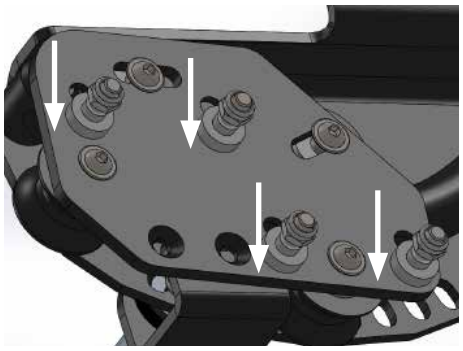
   The slots adjust the seat height by 2cm.

   When reassembling the wheelchair, simply reverse the reverse order

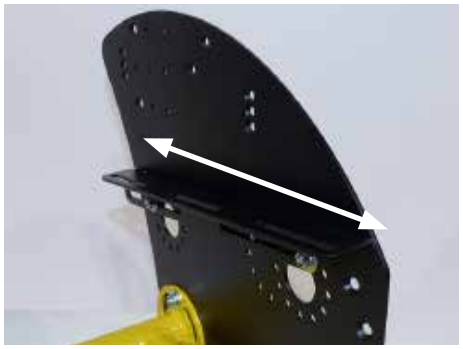


Relocating the screw connections within the tilt base

The screw connections shown here are in the upper hole position. By moving them, the seat height can be varied by 1 cm.
In combination with the adjustment of the seat base in the oblong holes, this results in the various adjustment possibilities..



The screw connections shown here are in the lower hole position.



6.2 Seat depth

The seat depth is set with the installation position of the two support brackets.
The seat plate does not have to be removed beforehand in most cases.

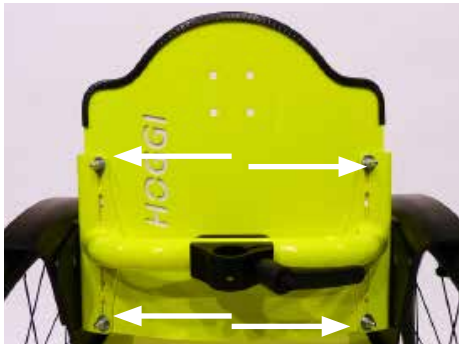
Loosen the marked screw connection on both sides of the base plate and select the desired seat depth by moving the the angles. Then tighten all the screw connections again.
Adjustment range 22 - 40 cm

Support angle installation for long seat depths:

Preferably use, in any case, if the front edge of the seat plate overhangs the base plate or is to be positioned just behind its front edge.

Support bracket installation for short seat depths:

If possible, only use from a seat plate position (short seat depths), if the front nose of the support bracket does not project or only slightly the front edge of the base plate.

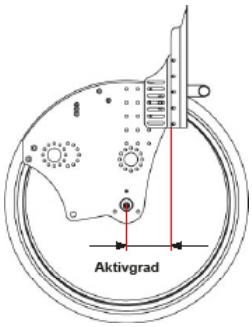


6.3 Back height

The backrest height can be adjusted steplessly after loosening the marked screw connections (on both sides) in the marked slotted holes.

To achieve particularly large back heights, the screws can also be offset in the oblong holes.

The back height is measured at the horizontal area of the upper back edge!



6.4 Active degree

The active degree describes the ratio of the position of the backrest relative to the drive wheel axis. The further the backrest is set behind the the drive wheel axle, the more active CLEO can be driven. Conversely, a setting above, or in front of, the drive axle means a more stable driving position.

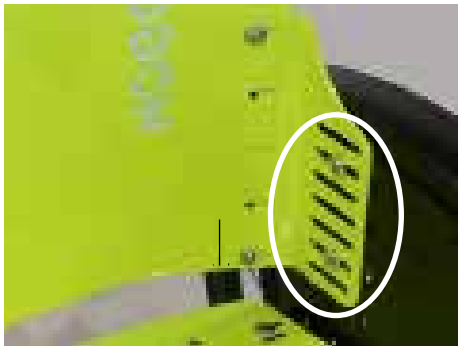
Caution. Settings with a high degree of activity require an experienced driver and the use of an anti-tippers!

Active degree adjustment CLEO

The active degreeis set via the installation position of the back plate on the base plate. There are 3 different back positions to choose from. The lower the value, the more passive the setting.
In addition, CLEO offers the choice of two different base plates.

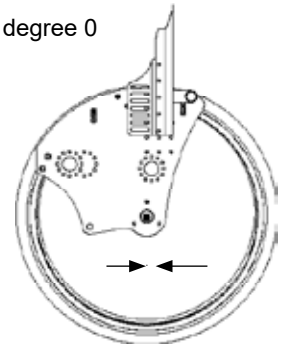
Shown here variant „active“ with an adjustment range of 0 - 8 cm

Shown here is the „comfort“ version with an adjustment range of -5 cm to 3 cm.
The longer wheelbase provides a more stable riding position.



To move the back plate in relation to the base plates, the marked screws on the left and right must be loosened.
For a larger range of adjustment, the screws must be taken out and inserted into the next row of the hole matrix.

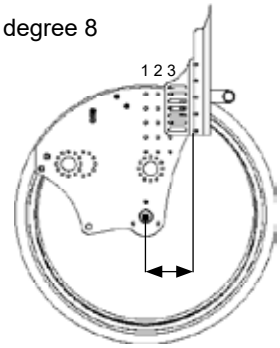
Active degree 0

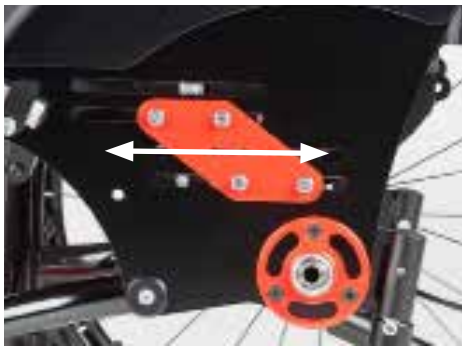


ADHL = Active degree hole line

ADHL1 for active degree adjustment 0 to 2
ADHL2 for active degree adjustment 3 to 4
ADHL3 for active degree adjustment 5 to 8

Active degree 8





Active degree adjustment CLEO Ti

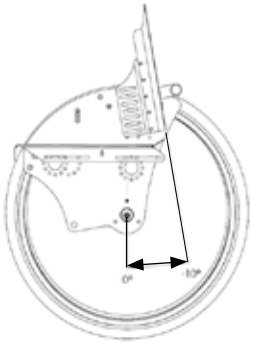
With CLEO Ti, the active degree is achieved by sliding the seat unit relative to the base plates in the respective slotted holes.

By loosening the screw connections to the outer pressure plate, an adjustment range of 8 cm can then be guaranteed.

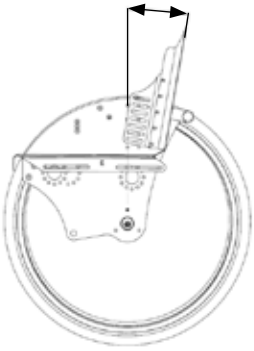
6.5 Backrest angle

If CLEO is not equipped with the „angle-adjustable“ backrest, the backrest angle is adjusted by loosening the marked screw connection.

The adjustment range is 20° in total.



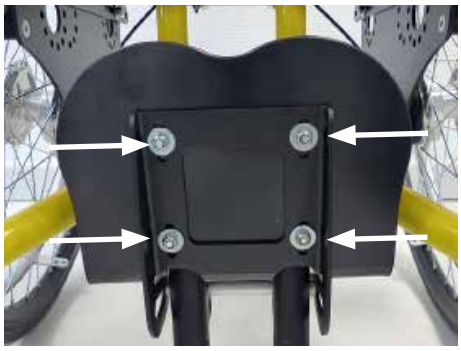
Back angle adjustment range 0° to -10°



Back angle adjustment range 0° to +10°

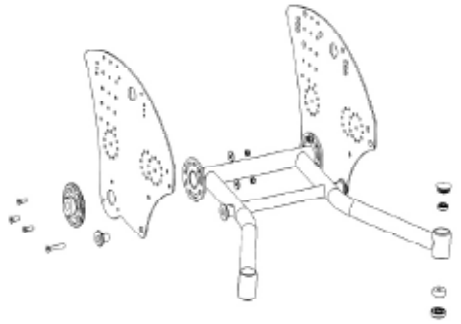
6.6 Footrest angle and lower leg length

The footrest angle is preset to 90°. The adjustment range is +- 10° (80° - 100°).
The lower leg length is realised by moving the footrest bracket vertically on the tubes of the footrest hanger.
After loosening the wing screws on the back, the appropriate length can be adjusted.
Afterwards, retighten the screws securely!



After loosening the four marked screw connections on the footrest bracket, the footrest can be adjusted in depth.

This alters the location of the foot rest and, therefore, also the foot rest angle. The further the footrest is pulled out to the front, the greater the angle becomes. If the procedure is reversed, the angle decreases accordingly.



7. Maintenance schedule

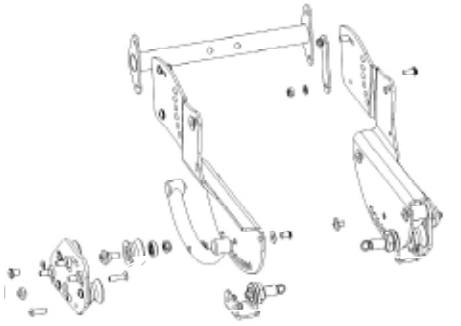
7.1 Frame & base plates

Functional test:

- Check for general damage or deformation to the frame structure or base plate.

Check of the screw connections:

- Connection of lintel adapter and base plate
- If applicable, screw connection for anti tipper or tip assist
- Front connecting screw frame and base plate



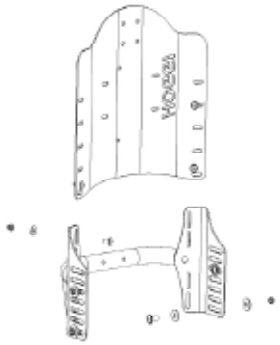
Tilt unit CLEO Ti

Functional test:

- Checking the tilt release and the proper function
- Checking for general damage or non-functionality of corresponding components

Check of the screw connections:

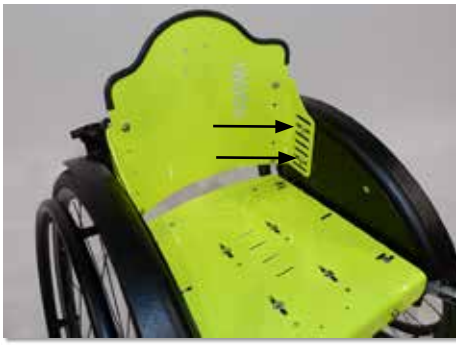
- Screw connections to the lateral pressure plate
- Connection of the seat plate support to the tilt skid
- Locking bolt pull for backrest adjustment
- Mounting and functionality of the release lever



7.2 Back base rigid

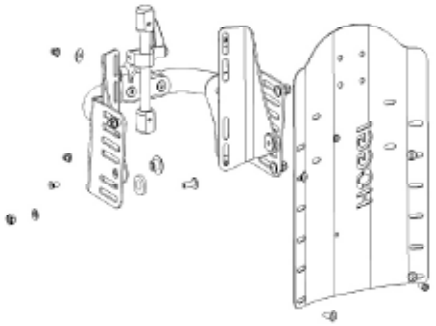
Functional test:

- Checking the appropriate seat settings
- Check for general damage in the area of the back base



Check of the screw connections:

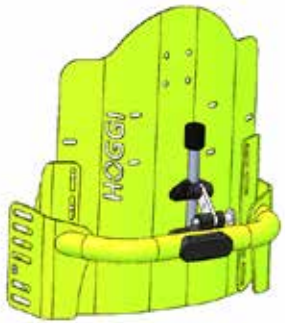
- Connection between back base and base plate



Back base „angle adjustable“

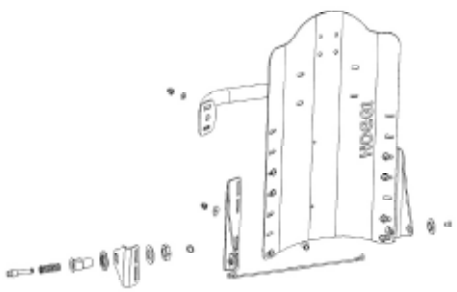
Functional test:

- Checking the corresponding seat settings
- Check for general damage in the area of the backrest base
- Checking the adjustment mechanism (slide rail, clamping, running with little play)



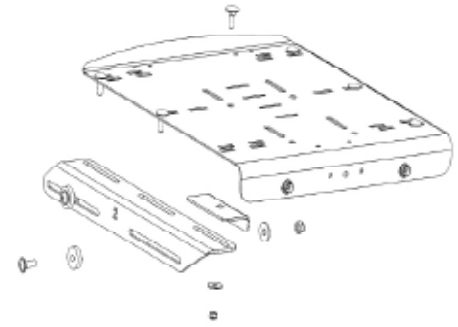
Check of the screw connections:

- Connection between back base and base plate
- Mounting of the slide rail on the back plate
- Mounting of the mechanism on the backrest bracket
- Function of the clamping lever



Back base CLEO-Ti

Additional inspection of the latch unit and the complete latch bolt system.

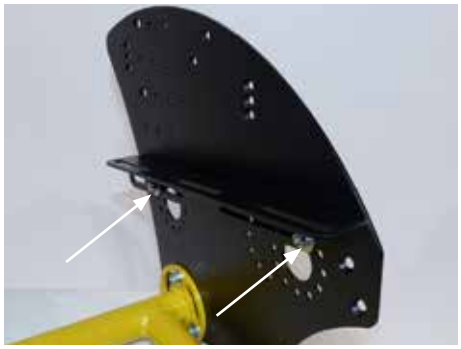


7.3 Seat and back unit

Seat frame

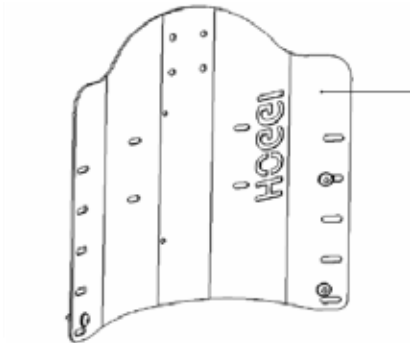
Functional test:

- Installation position of the support bracket and thus correct seat adjustment.
- Checking for general damage and correct holding of the seat plate



Check of the screw connections:

- Connecting of the support brackets to the base plate
- Fastening the seat plate to the support brackets
- Riveting with existing seat cushion



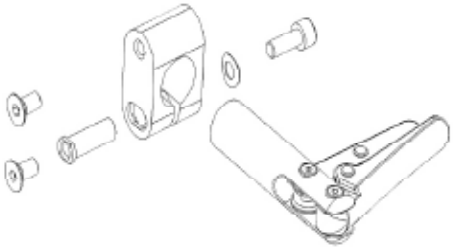
Back plate

Functional test:

- Check for general damage and firm hold
- Checking the correct adjustment

Check of the screw connections:

- Fixing the back plate at the back and front to the back base



7.4 Braking system

Brake HOGGI light

Functional test:

- Brake closure
- Faultless operation
- Visible damage

Brake opened

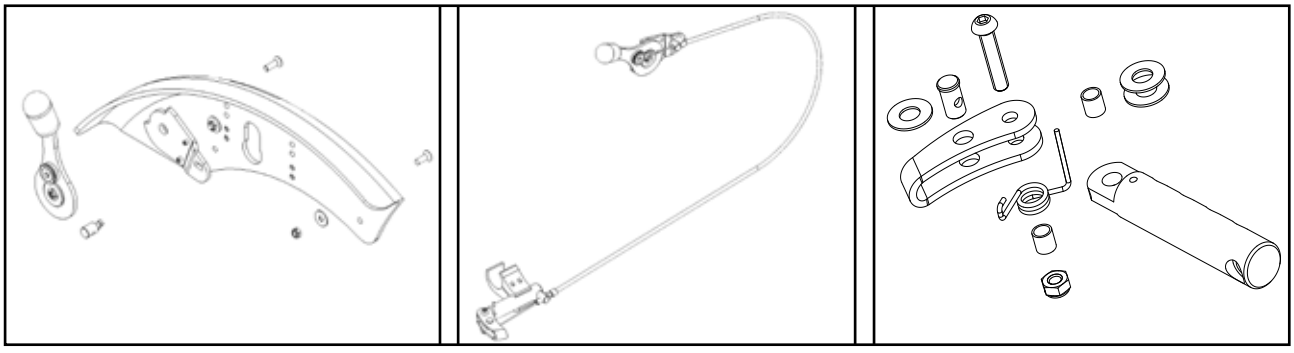
Brake closed

Check of the screw connections:

- Fixing the brake to the brake holder
- Fastening the brake holder to the base plates

Integrated brake system

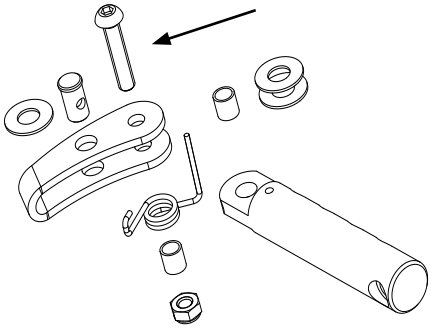
Consisting of:
- Fender with integrated brake system
- Brake cable
- Brake



Functional test:

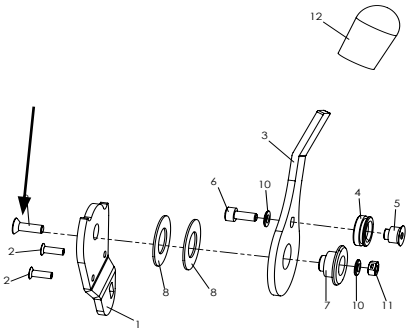
- Operability of the brake lever and smooth glide
- Good brake closure and contact pressure of the brake bracket
- Correct positioning of the brake lever in relation to the wheel. 90° angle and 3-5 mm wheel protrusion
- Check for general damage in the area of the fender and the rubber grip

- Good brake closure and contact pressure of the brake bracket
- Correct positioning of the brake lever in relation to the wheel. 90° angle and 3-5 mm wheel protrusion
- Check for general damage in the area of the fender and the rubber grip



Check of the screw connections:

- Fastening the brake lever to the fender



- Fastening the brake bracket to the brake bracket holder
- Bowden cable correctly looped in the cable pulley

Drum brake

Functional test:

- Build-up of brake pressure (readjustment at adjusting screw)
- Checking the brake lever for general damage (locking lever, cracks)
- Checking the Bowden cable (kinks or cracks)
- Check the brake anchor and brake pads (contamination, wear)

Check of the screw connections:

- Connection brake anchor with adapter
- Connection of brake anchor adapter with base plate
- Bowden cable correctly hooked in
- Screw connection of the brake handle to the handle unit

7.5 Push bar and handles, One hand push handle

Push bar

Functional test:

- Attachment and removal
- Clamping
- Height adjustment
- Height adjustment of the upper part by means of ratchet joints
- Checking for general damage

Push handles

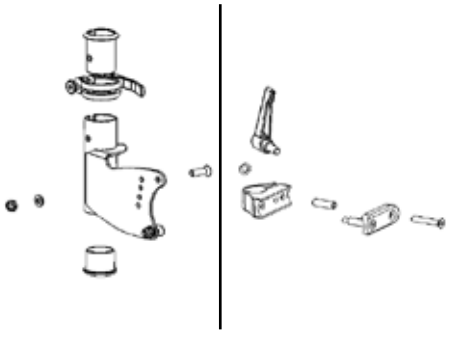
Functional test:

- Attachment and removal
- Clamping
- Height adjustment
- Straight alignment of the bars
- Checking for general damage

One hand push handle

Functional test:

- Attachment and removal
- Clamping
- Height adjustment
- Checking for general damage



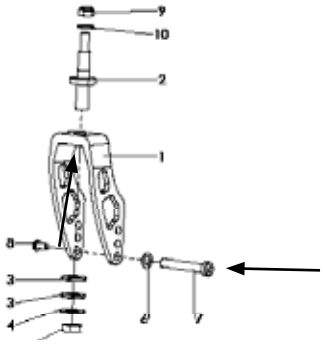
Check of the screw connections:

- Fastening the handle holders to the base plate
- Fastening the cross tube for stabilisation
- Fastening the clamp to the back base

7.6 Wheel fork holder

Functional test:

- Swivelling of the wheel fork
- Smooth running or fluttering -> Checking the alignment
- Check for general damage to the forks



Check of the screw connections:

- Screw connection of the wheel axle
- Bolting the steering fork axle to the frame

7.7 Front wheels

Functional test:

- Check for general damage
- Check of the tread or profile (cracks, heavy wear)
- Wheel curvature too worn (tread max. up to 5mm to edge of wheel)
- Contamination in the area of the wheel bearing or the axle

7.8 Rear wheels

Functional test:

- Check for general damage
- Checking the treads and air pressure
- Checking the locking
- Checking the running behaviour of the wheel, clearance, mechanics of the axle
- Checking of the correct alignment of the camber adapter and its bolting

Adjustment of the quick-release axle:

- The axle should be fitted with a minimum of clearance. If too much movement is possible, the front nut is closed slightly clockwise with a 19 mm open-ended spanner in a clockwise direction, while the rear axle is secured with an 11 mm open-ended spanner
- If the wheel is too tight, proceed in reverse order

7.9 Push rim

Functional test:

- Check for general damage
- Severe scratching and sharp edges

Checking the screw connections:

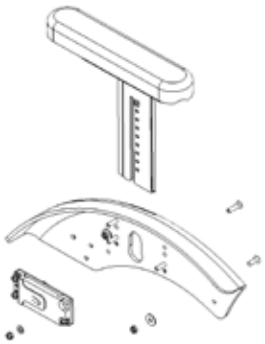
- Attachment of handrim to rim, also at correct distance

7.10 Fender

Standard fender

Functional test:

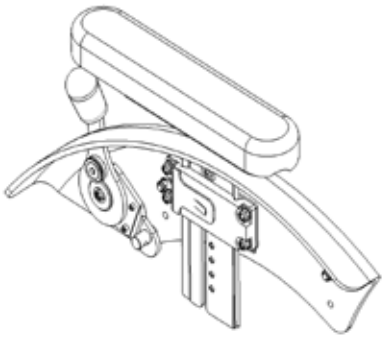
- Check for general damage
- Screw connection to the base plate firmly tightened



Fender with integrated armrests

Functional test:

- Height adjustment and latching of the armrest
- Damage to the armrest cushion
- Damage to the release button
- Screw connection to base plate firmly tightened
- Armrest holder firmly screewed to wheel cover



Fender with integrated brake system and armrests

Functional test:

- Check for general damage
- Height adjustment and latching of the armrest
- Damage to the armrest cushion
- Damage to the release button
- Checking the brake unit (see 6.4 Brake system)
- Screw connection to base plate firmly tightened
- Armrest holder firmly screewed to wheel cover

7.11 Anti tip and tip assist

Anti tip

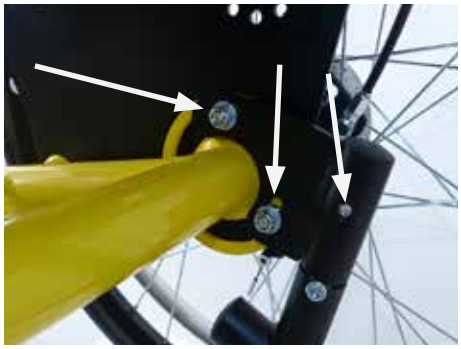
Functional test:

- Check for general damage
- Correct positioning (beyond the wheel radius, 2-3 cm above the floor)
- Checking the swivel mechanism
- Checking the length adjustment

Tip assist

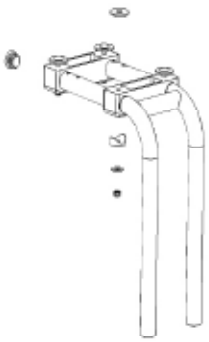
Functional test:

- Check for general damage
- Good grip of the rubber cap



Check of the screw connections:

- Screw connection of the anti tipper or tip assist mounting bracket to the base plate
- Screw connection of the anti tipper or the tip assist to the base plate.

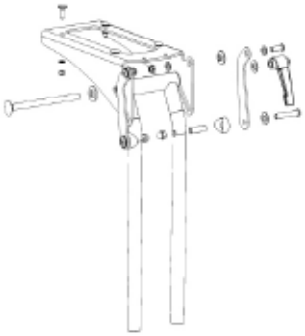


7.12 Footrest hanger

Footrest hanger

Functional test:

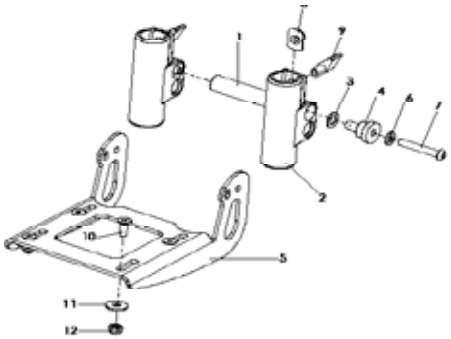
- Check for general damage
- Distance to the seat plate
- Screw connection to the seat plate



Footrest hanger angle adjustable

Functional test:

- Check for general damage
- Swivel mechanism
- Clamping lever for angle adjustment
- Screw connection to the seat plate

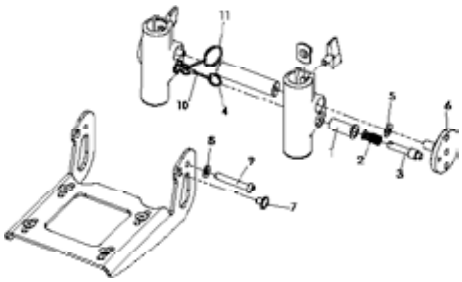


Footrest hanger

Standard

Functional test:

- Check for general damage
- Swivel mechanism of the screwed-on footrest
- Correct adjustment of the foot angle
- Sliding of the holder on the tubes



With locking

Functional test:

- Check for general damage
- Swivel mechanism of the screwed-on footrest
- Correct adjustment of the foot angle
- Sliding of the holder on the tubes
- Locking bolt pull with locking latches, tension of the cable

Check of the screw connections:

- Wing screws for lower leg length adjustment
- Screw connection of the swivel mechanism
- Screw connection to the footboard with correct angle adjustment

Transfer support

Funktionsprüfung:

- Überprüfung auf generelle Beschädigung
- Stabiler Halt
- Überprüfung der Schraubverbindung

Footrest

All variants are to be considered equally

Check for general damage

7.13 Seat- and back cushion

Standard seat cushion

- Check for general damage (Velcro fastening, seams, holes or strapped-through areas)
- Check for contamination

Seat cushion contoured

- Check for general damage (Velcro fastening, seams, holes or strapped-through areas)
- Check for contamination

Back cushion

- Check for general damage (Velcro fastening, seams, holes or strapped-through areas)
- Check for contamination

7.14 Spoke guards

Functional test:

- Check for general damage (cracks)
- Fastening clips complete or defective
- Spoke guards suitable for wheel (drum brake or normal)

7.15 Headrest

Headrest bracket

Functional test:

- Check for general damage
- Checking the clamping ability
- Checking the screw connection to the back plate

Headrest with upholstery

Functional test:

- Adjustment possibilities
- Check for general damage (wear, cracks, etc.)
- Clamping ability

Checking the screw connections:

- Attachment of pad to support

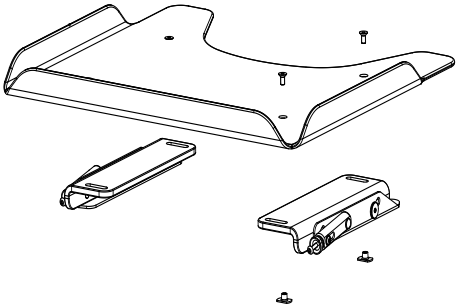
7.16 Backrest extension

Functional test:

- Check for general damage
- Height adjustment and clamping

Checking the screw connections:

- Connection of the bracket to the back plate



7.17 Therapy tray

Functional test:

- Attachability and fixation of the table on the armrests
- Checking for general damage (cracks, sharp edges, etc.)

Checking the screw connections:

- Connection of the table top to the clamping units

7.18 Tie down kit (ISO 7176-19)

Functional test:

- Check for general damage (deformation, sharp edges)

Check of the screw connections:

- Connection of the front and rear fuse to the base plate

7.19 Abduction block

Functional test:

- Check for general damage
- Pivoting and latching mechanism
- Removal

Check of the screw connections:

- Bracket abduction block to the seat panel

7.20 Belt fixations

Lap belt

Functional test:

- Check for general damage
- Check of the fastener
- Check of the screw connection of the bracket

4-point lap belt

Functional test:

- Check for general damage
- Check of the fastener
- Check of the screw connection of the bracket

Ankle hugger

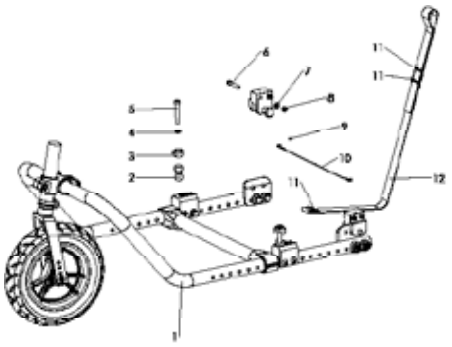
Functional test:

- Check for general damage
- Check of the fastener
- Check of the screw connection of the bracket to the footrest

7.21 Outdoor front end

Functional test:

- Check for general damage
- Wear of the steering wheel
- Removal and installation
- Function of the locking pin hoist
- Wear of the release cable



Check the screw connections:

- Clamp and bracket of the steering wheel
- Screw connection of the crossbar
- Screwing of the latching mechanism
- Bolting of the bolt tension bracket

8. CLEO operating life:

The expected operating life of the ***CLEOs*** is 6 years, depending on the intensity of use, care as well as maintenance. We recommend an annual inspection by the authorized specialist dealer.
In case of malfunctions or defects of the wheelchair, it must be immediately handed over to the medical supply store or the specialist dealer.

9. Speficications

	Frame size 1	**Frame size 2**	**Frame size 3**
Seat width	240 - 300 mm	240 - 340 mm	260 - 340 mm
Seat depth	220 - 360 mm	220 - 400 mm	240 - 400 mm
Back height	200, 250, 300, 350 mm	200, 250, 300, 350 mm	200, 250, 300, 350 mm
Seat height* (front)	290 - 390 mm	320 - 420 mm	360 - 460 mm
Seat angle	approx. 0° up to 11°	approx. 0° up to 11°	approx. 0° up to 11°
Backrest angle	-10° up to +10°	-10° up to +10°	-10° up to +10°
Lower leg length	130 - 360 mm	130 - 360 mm	130 - 360 mm
Footrest angle	adjustable approx. +/- 10°	adjustable approx. +/- 10°	adjustable approx. +/- 10°
Rear wheel diameter	20“	22“	24“
Front wheel diameter	4“, 5“, 5,5“	4“, 5“, 5,5“	4“, 5“, 5,5“
Camber	6°, 9°, 12°	6°, 9°, 12°	6°, 9°, 12°
User weight/ Maximum load*	60 kg	60 kg	60 kg
Weight ***	10,3 kg	10,8 kg	11,1 kg
Total length maximum / minimum	1030 mm / 915 mm	1090 mm / 935 mm	1090 mm / 965 mm
Total width maximum / minimum	660 mm / 515 mm	730 mm / 525 mm	750 mm / 555 mm
Height maximum / minimum	850 mm / 550 mm	880 / 580 mm	920 mm / 620 mm
Weight (of the heaviest part)	7,3 kg	7,8 kg	8,1 kg

CAUTION!
*The seat height depends on the frame size, the wheel diameter and the wheel camber.

CAUTION!
**Accessories and add-on parts reduce the remaining load capacity for the occupant.

CAUTION!
*** The weight specifications refer to a CLEO in basic equipment and maximum seat width.

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