HOGGI®

SHERPA

Service instructions

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Service and maintenance instructions - *SHERPA*

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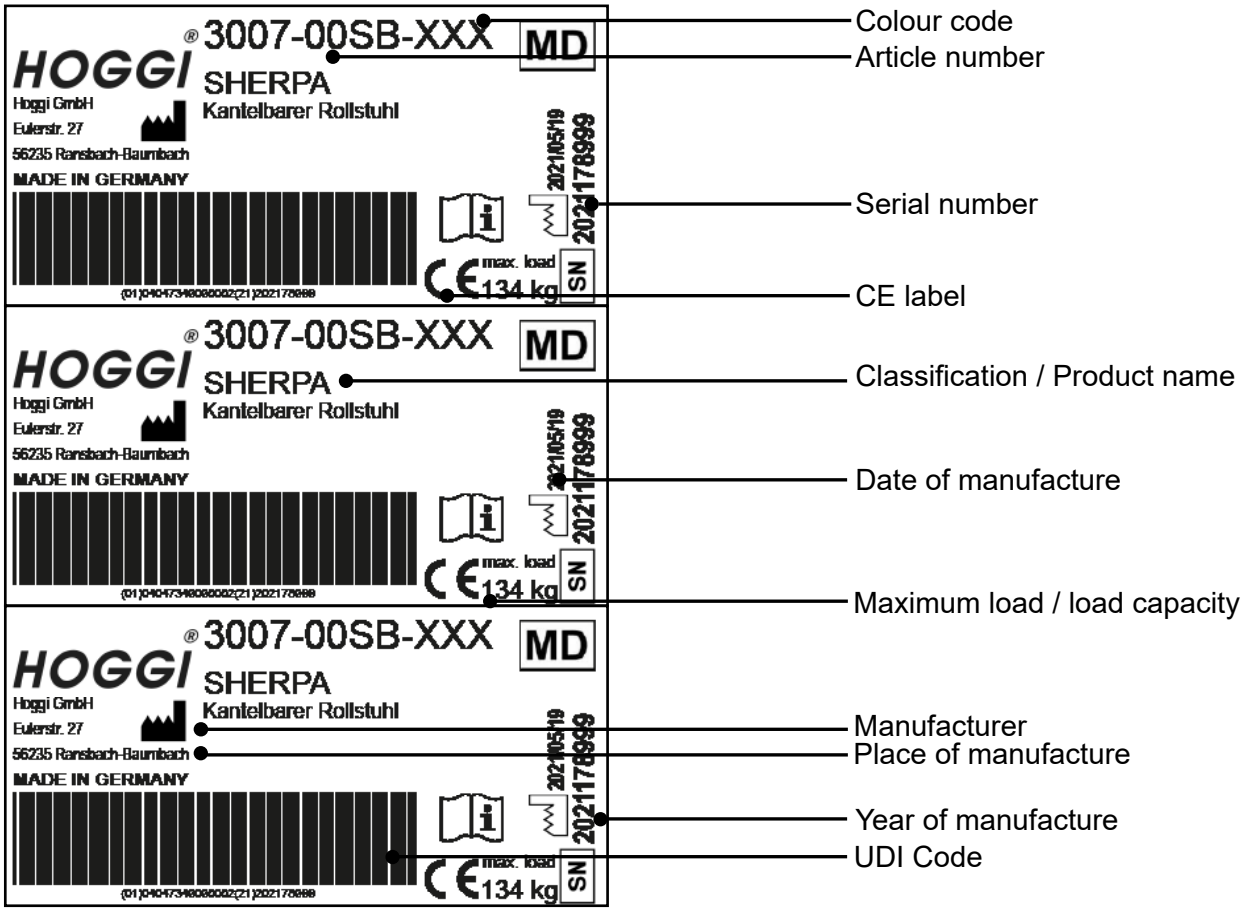
1 Model identification

1.1 Model identification (label)

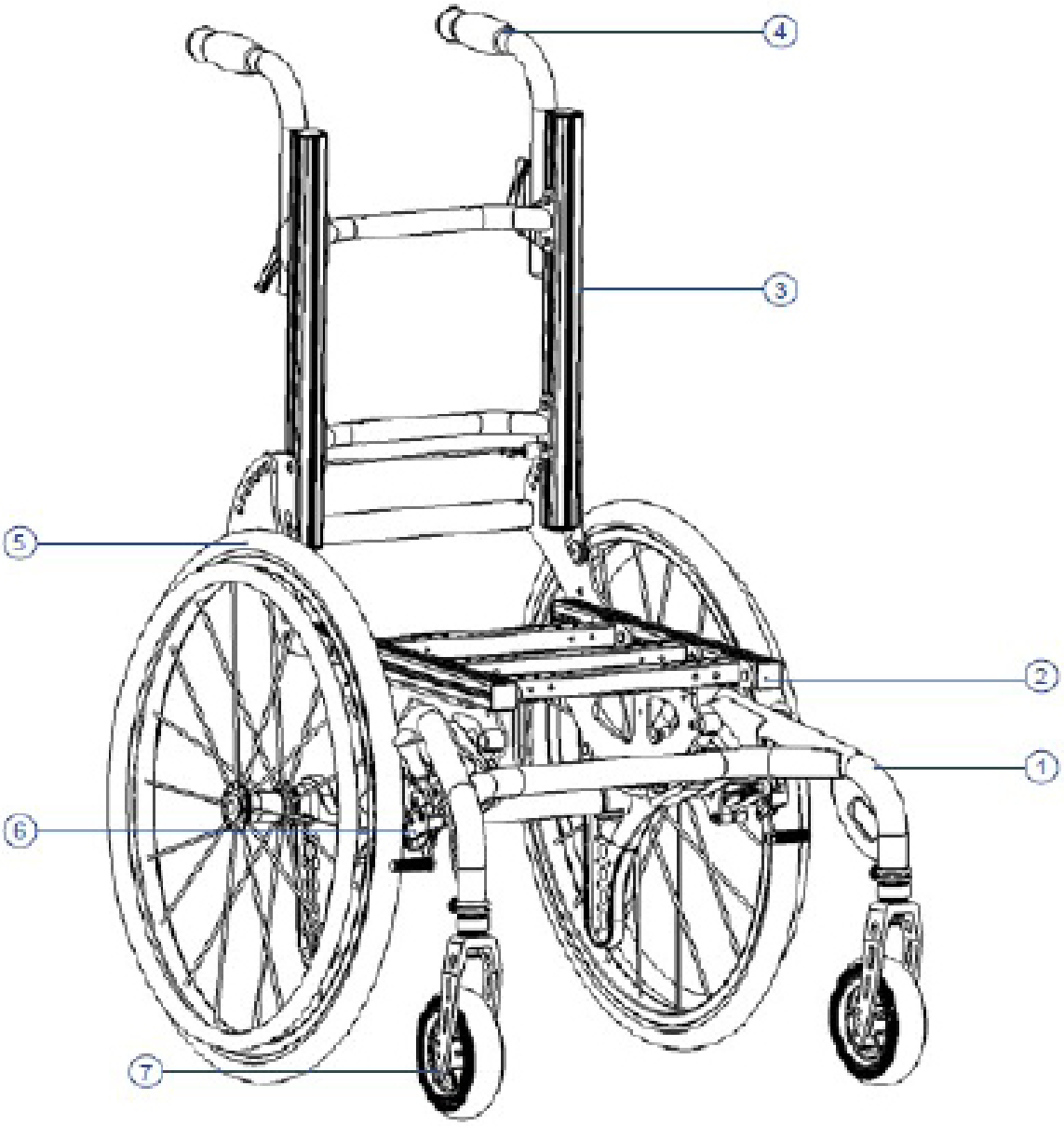
(The label is attached to the axle tube)



1.2 Basic configuration

- Rigid frame active wheelchair in aluminium construction, powder-coated;
- Seat width: 320 mm to 480 mm,
- Center of gravity tilt in space -7° to 45° on roller bearing
- System-Profile-Seat frame
- System-Profile-Back frame in 3 Backrest heights
- Backrest recline 80° to 123°
- Rear wheels
- Knee lever brakes
- Wheel camber: 0° or 3°
- Maximum load: 134 kg

2 SHERPA Overview



Pos	Article number	Articel description
1	3006-11SWE-XXX	Base frame
2	3006-24XX	System-Profile-Seat frame
3	3006-3XSW	System-Profile-Back frame
4	3006-5100	Handle bar
	3006-55SW	Push bar (not shown)
5	1298-XXXX	Rear wheels
6	3007-170X	Standard Knee lever break
	3007-1XXX	HOGGI light break (not shown)
7	1250-101X	Caster fork with front wheels

3 Common Information

3.1 Preface

Thank you for selecting the ***SHERPA*** 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 healthcare provider.
We hope that ***SHERPA*** meets your expectations.
We reserve technical modifi cations regarding the specifi ed model in this manual. Before using the wheechair the fi rst 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.

3.2 Application

SHERPA 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

SHERPA 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 ***SHERPA*** 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. ***SHERPA*** 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 Service and repairs

Service and repairs on the ***SHERPA*** system wheelchair with 45° tilt in space 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

3.6 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.

3.7 Packing and shipping instructions

If ***SHERPA*** 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

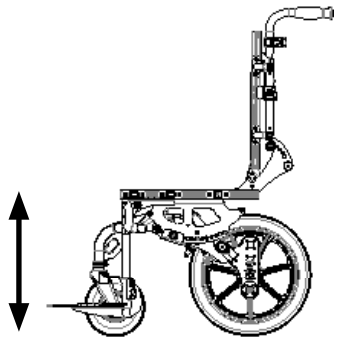
Side cutter

Liquid thread locking
„medium strength

Riveting pliers for rivets up to
5 mm

Maintenance schedule for regular inspection		***SHERPA*** Wheelchair		Customer:	
Pos.	Area	Check (Checklist to tick off ☑)			
	Serial number:	1.) Function / Setting		2.) knone damage / defor-mation	3.) Screw connections
1. Basic product					
1.1	Frame	- Damages	☐	☐	☐
1.2	Seat adapter and seat unit	- Tilt in space	☐	☐	☐
		- Active degree settings	☐	☐	☐
		- Seat depth	☐	☐	☐
		- Panel	☐	☐	☐
1.3	Back base and back unit	- Angle adjustment	☐	☐	☐
		- Height adjustment	☐	☐	☐
		- Panel	☐	☐	☐
1.4	Push bar / Push handles	- Height adjustment	☐	☐	☐
		- Angle adjustment push handles	☐		
		- Dismount	☐		
1.5	Braking system	- Brakes	☐	☐	☐
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		2.) none damage / defor- mation	3.) Screw connections
2. Accessories					
2.1	Fender	- Height adjustment	☐	☐	☐
2.2	Spoke guard	- Spoke guards	☐	☐	☐
2.3	Anti tip and tip assist	- Anti tip	☐	☐	☐
		- Swivel away	☐		
		- Angle adjustment	☐		
2.4	Footrest hanger	- Lower leg length	☐		☐
		- Folding away the footrest	☐	☐	
		- Footrest lock	☐	☐	
		- Footrest angle	☐	☐	
		Removal of the single footrests	☐	☐	
2.5	Tie down kit	- Bracket	☐	☐	☐
2.6	Thoratic support	- Bracket	☐	☐	☐
2.7	Headrests	- Height adjustment	☐	☐	☐
		- Angle adjustment	☐	☐	☐
		- Cushion	☐	☐	☐
		- Bracket	☐	☐	☐
2.8	Armrests	- Bracket	☐	☐	☐
		- Swivel mechanism	☐	☐	☐
		- Removal	☐	☐	☐
		- Cushion	☐	☐	☐
2.9	Container for accessories	- Bracket	☐	☐	☐
		- Tub	☐	☐	
2.10	Therapy tray	- Clamping unit	☐	☐	☐
		- Board		☐	
2.11	Back guide	- Sliding	☐	☐	☐
2.12	Precision trapezoid adapter	- Latching function	☐	☐	☐
2.13	Seat / back cushion	- Cushion	☐	☐	
2.14	Abduction block	- Bracket	☐	☐	☐
		- Swivel mechanism	☐	☐	
2.15	Thight support	- Bracket	☐	☐	☐
		- Padding	☐	☐	
	Do the settings of the accessoires meet the user‘s requirements?		☐		
Notes:					
The maintenance was performed by:..... on:					

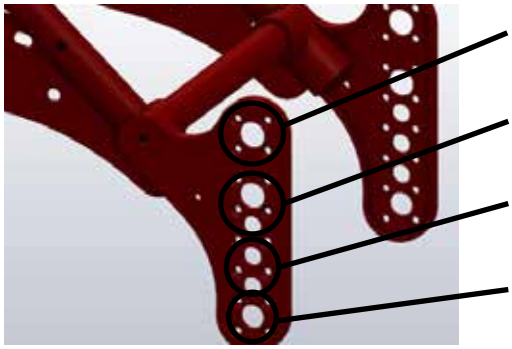


6. Seat settings

6.1 Seat height

SHERPA is available in three different seat heights (45/48/50 cm).
The seat height is determined by the size of the rear and front wheel, as well as the wheel fork used.

Seat height (SH)	Front wheel diameter		
Rear wheel diameter	125	140	190
12“	48	48	48
16“	45 / 48	45 / 48	48
22“	45	45 / 50	50
24“	48	48	48



Highest hole position = 24“

Second highest hole position = 22“ short/long fork

Third highest hole position = 16“ short/long fork

Lowest hole position = 12“

6.2 Seat depth

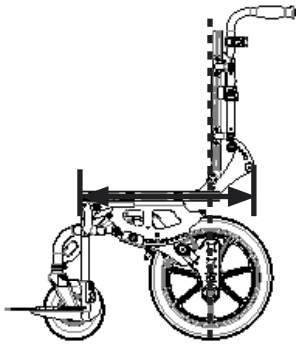
SHERPA‘s seat depth is adjustable between 29 - 54 cm. This is the same for all sizes.

By loosening the 4 screws (two left/two right) on the backrest joint, the complete backrest can now be pushed backwards and forwards in relation to the seat surface.

Then tighten the screws again.

If a side panel is installed on the existing wheelchair, this must be removed before the adjustment.

To do this, both the front screw connections to the frame and the rear frame as well as the rear screw connections to the wheel suspension must be removed.



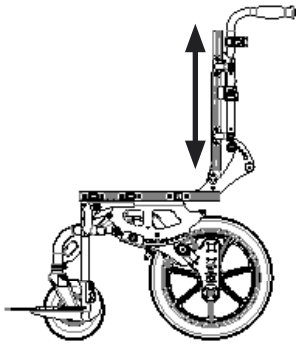
6.3 Active degree

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 SHERPA can be driven.

Important! This setting of the active degree can be made after the seat shell has been professionally assembled, thus enabling the designer to an exact, subsequent adjustment of the centre of gravity.

To adjust the centre of gravity, loosen the 4 screws (two left/right) on the underside of the seat profile tube.
Then the complete seat unit can be moved in relation to the seat frame support and the mobility base connected to it.

Finally, tighten the screws again!

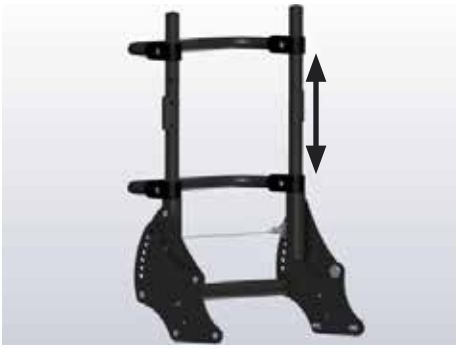


6.4 Back height

The backrest height of SHERPA can only be adjusted with the system backrest in combination with a backrest panel.
The general adjustment range is 42 cm, but max. 10 cm above the selected backrest profile length.

Back profile length 40 cm = back height 47 - 51 cm
Back profile length 45 cm = Back height 52 - 56 cm
Back profile length 50 cm = Back height 57 - 61 cm

To adjust the backrest height, the upper screws to the frame and the lower screws to the backrest panel must be loosened.
Depending on which heights are adjusted, it may be necessary to remove the lower screws and move them to another slotted hole.



The universal back frame offers a general back length range of approx. 30 cm on which other back systems can be mounted.

6.5 Tilt in space

SHERPA offers a roller-mounted centre of gravity tilt in space from -7° to +45°.

13 positions of 4° each can be individually adjusted.

The tilt is triggered by a locking pin pull, which is controlled by a release lever on the push bar or push handle.

6.6 Back angle adjustment

SHERPA offers back angle adjustment from 80° to 123°.

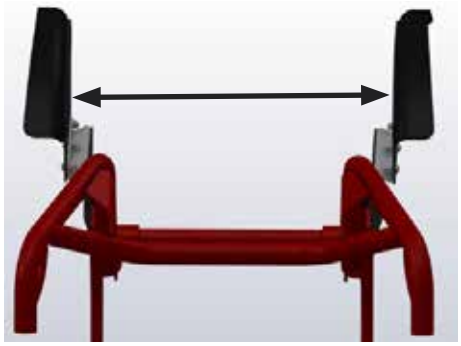
7 positions of approx. 6° each can be individually adjusted.

The angle adjustment is triggered by a positive locking pin on the rear side.

6.7 Seat width

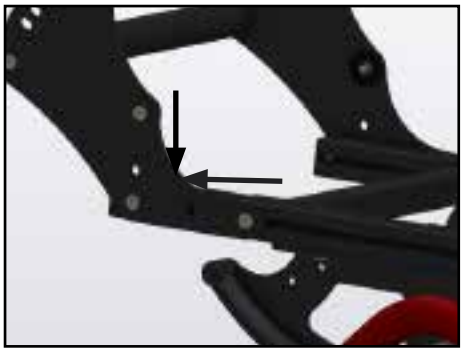
In principle, SHERPA is available in fixed seat widths.
SB 36, 40, 44 and 48 cm

However, the seat unit is also designed to support a seat shell that also extends beyond the lateral edge of the seat.
This is possible without restriction for 12“ and 16“ wheels, as these do not reach the height of the seat unit.



For the 22“ and 24“ wheel variants, it is possible to use the vario wheel cover.

Here, a widening option of either 4.5 cm, 6 cm or 7 cm plus seat width is ensured via laterally mounted brackets. This depends on the mounting of the bracket opposite the wheel cover and/or the base plate.



Especially for the assembly with a seat shell, the back for seat shells can also be used.
This has a pivot point specially adapted to seat shells and enables the body to be attached almost form-fittingly.

6.8 Lower leg length

SHERPA can be equipped with several footrest hanger

Shown here: Footrest hanger (fixed, angle adjustable or single footrests) for short or long lower leg lengths.

short = 20 - 36 cm
long = 20 - 41 cm

The height of the footrest is adjusted by loosening the clamping levers. Then adjust the footrest to the desired height and tighten it again.

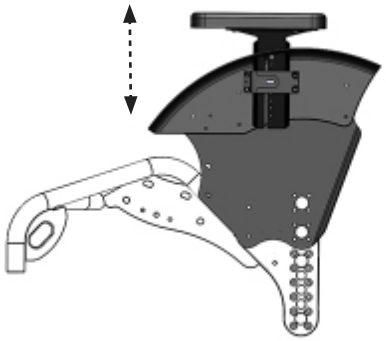
Shown here is the Vario footrest hanger. Standard 80°, anatomically angularly reducible by 6 cm, swivelling away and removable.

Single footrest standard for LL 33 - 44 cm
Single footrest angle adjustable for short LL 28 - 39 cm
Single footrest angle adjustable for long LL 34 - 47 cm

Optional continuous aluminium footrest with heel stop, angle adjustable.

short LL = 26 - 37 cm
longe LL = 32 - 45 cm

The height is adjusted by loosening and moving the side screw connections.



6.9 Armrest adjustment

Depending on the configuration, SHERPA can be equipped with 3 different armrest

Variant 1: Fender with height-adjustable and removable armrests. Height adjustment and removal via internal push button.

-> works in all configurations

Variant 2: Armrests swiveling and angle adjustable

Only in connection with system profile back

Armrest swivelled up

270 mm armrest padding

Height adjustment by loosening the side screw connections.

Variant 3: Pillar armrest, height and depth adjustable

Ideal for use with seat shell systems

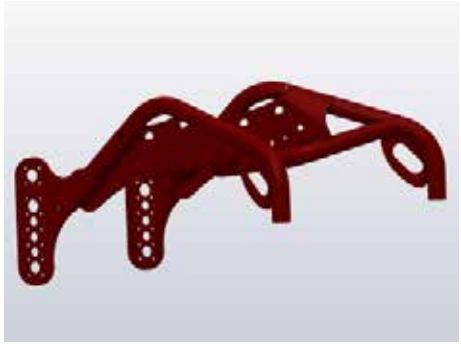
PU-padding: 270x55 mm
265x80 mm

Depth adjustment by loosening the screw connections on the seat frame

Height adjustment range at 270x55 mm: 22 - 31 cm
27 - 36 cm

Height adjustment range at 265x80 mm: 38 - 48 cm

Adjustment by loosening the screw connection on the column.

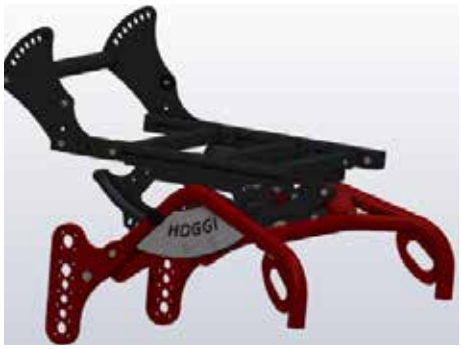


7. Maintenance schedule

7.1 Frame

Functional test:

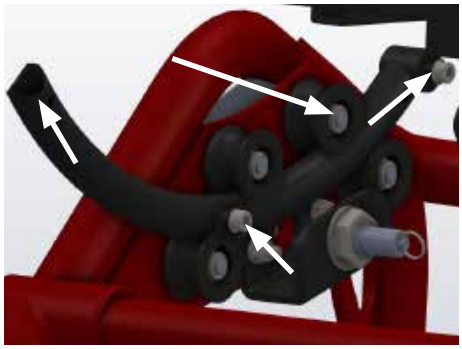
- Checking for general damage or deformation to the Frame function
- If applicable, cracks in the construction



7.2 Seat adapter and seat unit

Functional test:

- Check for general damage or deformations
- Tilt in space can be released and positions adjusted
- Shifting the seat frame in relation to the frame (active degree)
- Shifting the backrest bearings in relation to the seat frame (seat depth)
- If present, check the seat plate



Check of the screw connections:

- Support rollers to the frame, if necessary bring back to tension if the tilt in space is too smooth-running.
- Edging runner to seat frame support

- Screw connections for active degree adjustment

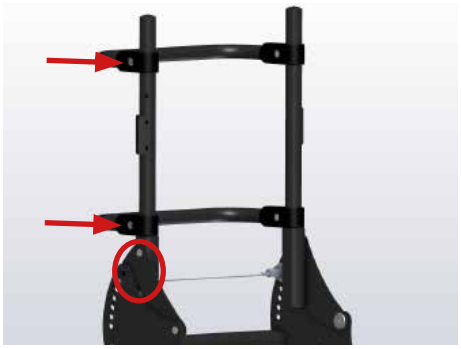
- Screw connections for seat depth adjustment

7.3 Back base and back unit

- Check for general damage or deformations to the frame or existing back panel
- Angle adjustment of back unit
- Height adjustment of back panel

Check of the screw connections:

- Screw connection of the bearing axle to the back joint plate



- Screw connections of the back joint plate to the back frame
- Crossbar on the back frame

- Screw connections on the back panel

- Attachment of the back lower back panel to the frame

7.4 Push bar and handles

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

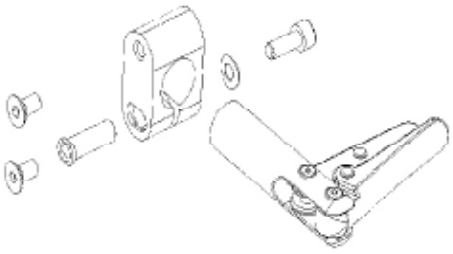
Push handles

Functional test:

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

Check of the screw connections:

- Bracket for handle or bracket to back tube
- Clamping lever for height adjustment



7.5 Braking system

Brake HOGGI light

Functional test:

- Brake closure
- Faultless operation
- Visible damage

Knee lever brakes

Brakes open

Function test:

- Brake closure
- Faultless operation
- Visible damage

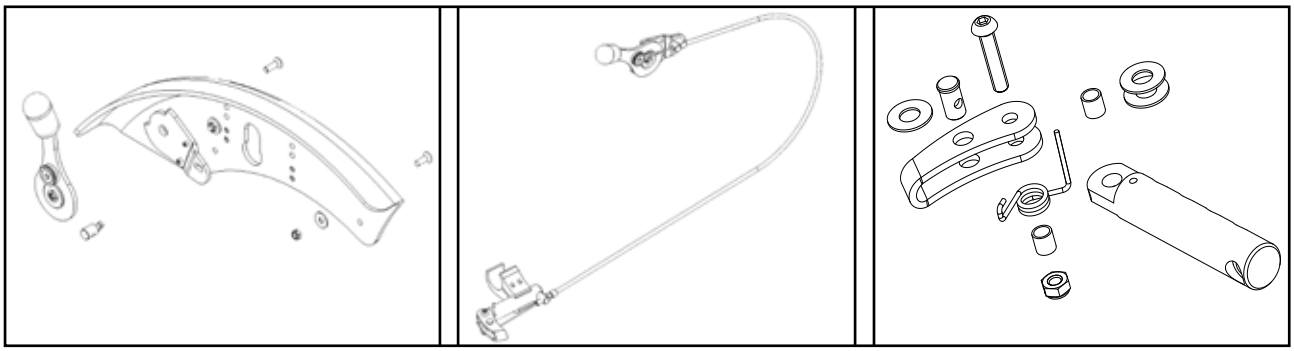
Brake closed

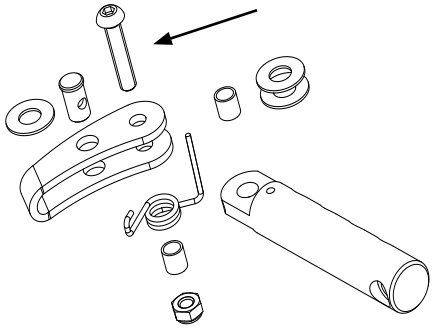
Check of the screw connections:

- Fastening the brake to the frame

Integrated brake system

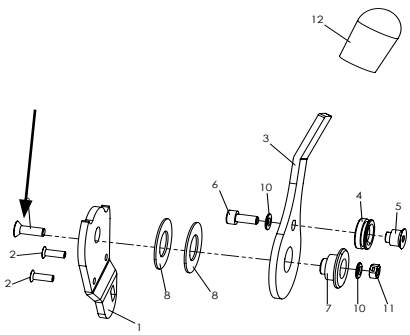
Consisting of:
- Fender with integrated brake system
- Brake cable
- Brake





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



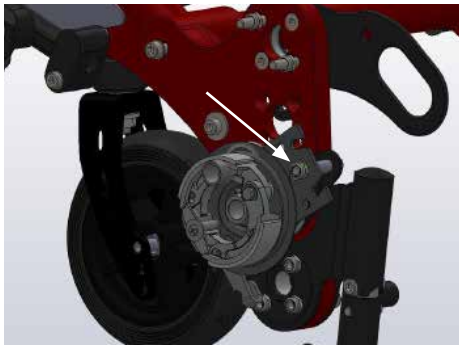
Check of the screw connections:

- 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

7.6 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:

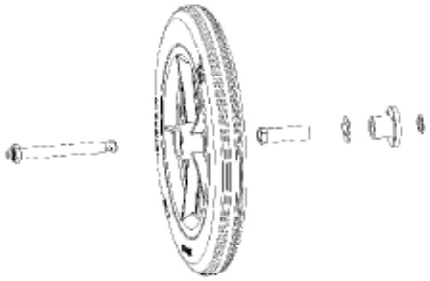
- Check for general damage
- Check of the tread or profile (cracks, heavy wear)
- Wheel curvature too worn (tread max. up to 5mm to edge of wheel)
- Contamination in the area of the wheel bearing or the axle

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

12“ and 16“ version, here no wheel camber possible



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:

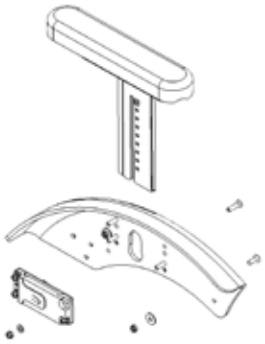
- Attachment of handrim to rim, also at correct distance

7.10 Fender

Standard fender

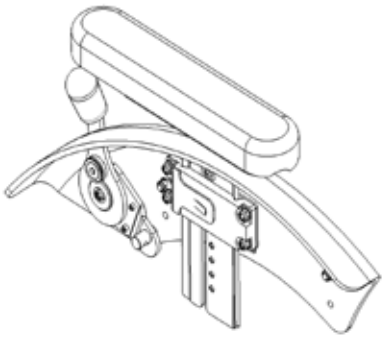
Functional test:

- 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 screwed to wheel covert



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 screwed to wheel cover

7.11 Spoke guards

Functional test:

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

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 to the frame
- Screw connection of the anti tipper to the adapter

7.12 Footrest hanger

Footrest hanger

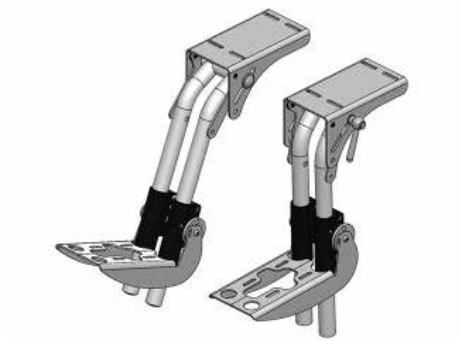
Functional test:

- 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 frame



Single foot rest hanger

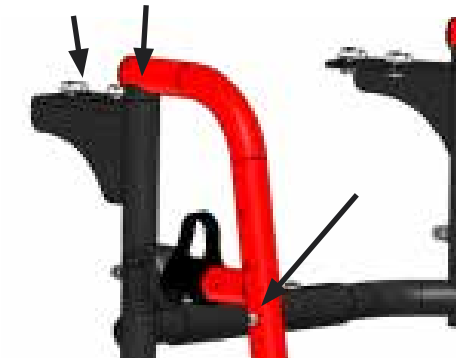
Functional test:

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

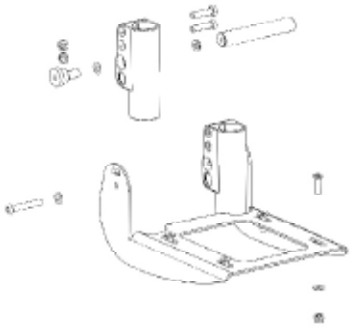
Vario footrest hanger

Functional test:

- Check for general damage
- Swivel mechanism
- Removal of the individual footrests
- Screwing the height adjustment of the footrests, if necessary
  Angle adjustment
- Screwing of the guide pins
- Screwing to the seat frame



- Screwing the height adjustment of the footrests, if necessary
- Screw connection of the guide pins
- Screw connection to the seat frame
- Screw connection to the coupling tube for adjusting the abduction

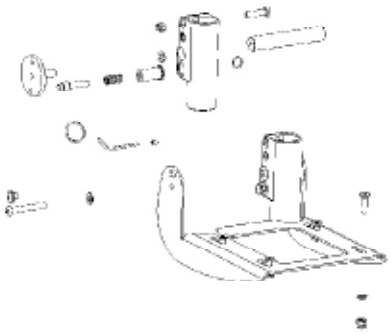


Footrest bracket

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

Footrests

Footrest standard

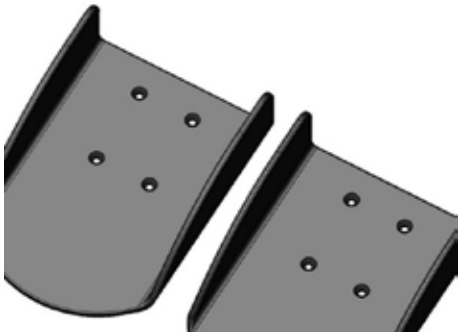
Functional test:

- Check for general damage
- Screw connection to the footrest bracket

Footrest with heel stop

Functional test:

- Check for general damage
- Screw connection to the footrest bracket



Single footplates in boat shape

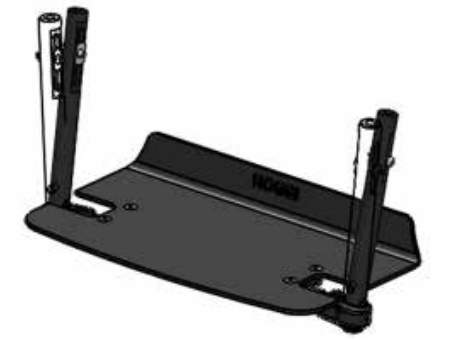
Functional test:

- Check for general damage
- Screw connection to the footrest bracket

Plastic footboard

Functional test:

- Check for general damage
- Screw connection to the footrest bracket



Aluminium one piece footboard with heel stop

Functional test:

- Check for general damage
- Screw connection to the footrest bracket

7.13 Tie down kit (ISO 7176-19)

Functional test:

- Check for general damage (deformation, sharp edges)
- Sticker still legible

Check of the screw connections:
- Connection of the rear fuse to the frame

7.14 Thoratic support

Functional test:

- Check for general damage
- Screw connection to the sliding block in the back frame
- Angle adjustment of the pad on the front

7.15 Headrest

Universal headrest

Functional test:

- Adjustment possibilities
- Check for general damage (wear, cracks, etc.)
- Clamping ability
- Attachment of pad to support

Headrest bracket

Functional test:

- Check for general damage
- Checking the clamping ability
- Checking the screw connection to the bracket
- Clamping of the console to the guide pillars

Stealth headrest

Functional test:

- Adjustment possibilities
- Check for general damage (wear, cracks, etc.)
- Clamping ability
- Attachment of the cushion to the headrest

Stealth headrest bracket

Functional test:

- Check for general damage
- Checking the clamping ability
- Checking the screw connection to the console
- Clamping of the console to the guide pillars

7.16 Armrests

Armrests integrated in the fender

Functional test:

- Check for general damage
- Height adjustment and latching via internal push button
- Removal of the armrests
- Screw connection of the armrest bracket firmly tightened
- Screw connection to the side plate

Armrests swiveling and angle adjustable

Functional test:

- Check for general damage
- Height adjustment via sliding blocks on the back frame
- Swivel mechanism intactt

- Clamping lever holds the armrest firmly
- Screw connection to back frame
- Screw connection of the bearing shaft

Pillar armrest

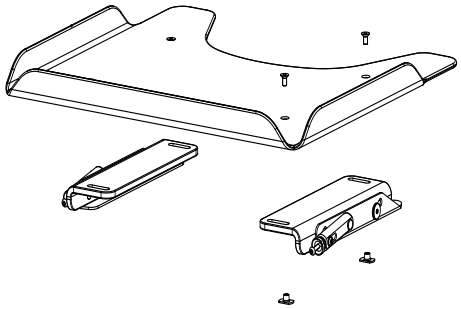
Functional test:

- Check for general damage
- Height adjustment
- Depth adjustment
- Screw connection of the clamping screw
- Screw connection to the bracket on the seat frame

7.17 Container for accessories

Functional test:

- Check for general damage
- Rollers intact
- Front suspension functional
- Screw connections of the container construction



7.18 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

7.19 Back guide

Functional test:

- Check for general damage
- Sliding of the adapter in relation to the guide pillars
- Quick-release axle functional for removal of the adapter
- Screw connection opposite the back assembly

7.20 Trapezoid adapter

Functional test:

- Check for general damage, abrasion or edges if necessary.
- Bolt engages
- Screw connection of the trapeze to the seat shell
- Screw connection of the base plate to the seat frame
- Screwing of the guide rails to the base plate

7.21 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

7.22 Abduction blockl

Functional test:

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

Check of the screw connections:

- Bracket abduction block to the seat panel

7.22 Thight support

Functional test:

- Check for general damage
- Depth adjustment along the seat frame
- Width adjustment via swivelling lever
- Screwing of the pad to the support
- Screw connection of the clamping base to the seat framen

Upper leg guide in combination with pillar armrest
Clamping base is here on the pillar of the armrest and depth adjustment is thus possible by moving the armrest relative to the seat frame.

8. SHERPA operating life:

The expected operating life of the **SHERPA** is 5 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

Seat width	320 - 480 mm
Seat depth	290 - 540 mm
Backrest height	470 - 610 mm
Seat height*	450 mm, 480 mm, 500 mm
Seat angle	-7° up to + 45°
Backrest angle	80° up to 123°
Lower leg length	210 mm - 410 mm
Footrest angle	-10° up to + 10°
Rear wheel diameter	12“, 16“, 22“, 24“
Camber	0° or 3°
Front wheel diameter	125 mm (5“), 140 mm (5,5“), 190 mm (7,5“)
Turning radius	1300 mm
Load capacity**	134 kg
Weight***	20,65 kg
Overall length	680 - 970 mm without footrest / 900 - 1220 mm with footrest
Overall width	540 - 730 mm
Height (Push-bar, swung away)	960 - 1250 mm
Mass (of the heaviest part)	18,35 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 **SHERPA** in basic equipment and maximum seat width.

HOGGI GmbH
Eulerstraße 27 • 56235 Ransbach-Baumbach • Deutschland
Telefon: (+49) 2623 / 92 499-0
E-mail: info@hoggi.de • **www.hoggi.de**