Netti®
Netti III FAMILY

Netti® III EL GMDN 41620

User Manual

CE This product conforms to MDR 2017/745/EU for medical products.

UM0133UK 2023-04

inspire joy of life

CONTENTS

1. INTRODUCTION

Netti III EL is a class B comfort wheelchair with electrical functions meant for both indoor and outdoor use. It is tested to DIN EN 12184:2014. The tests were carried out by TÜV SÜD Product Service GmbH in Germany.

In Alu Rehab we believe that wheelchairs should be chosen based on a thorough assessment focusing on the needs of the user and demands from the environment.
It is therefore important to know about the possibilities and restrictions of the wheelchair.
Netti III EL is a wheelchair designed for users with the need for comfort and relief. The combination between the seating system and the ergonomic solutions in the frame construction, offers many possibilities for adaptation and adjustments and possibilities to vary the sitting position from activity to rest using tilt and recline functions. The electrical functions tilt, recline and leg supports movements ease the use these functions.

Netti III EL is available with seat widths:
350–380–400–430–450–500–550–600 mm

Netti III EL has been crash tested at TÜV Rheinland according to ISO 7176-19:2008 and is approved for being used as a seat in a car.

Max user weight:
Netti III EL – 160 kg.

When mounting accessories such as power kit etc, the weight of the accessories must be subtracted from the max user weight.

Specifications varies between countries.

1.1 AREAS OF USE / INDICATIONS FOR NETTI III EL

Netti III EL is a multi-functional wheelchair for wheeled transport for partially or fully immobile youth and grown up persons with physical and / or mental disabilities. It provides a means by which a disabled person who requires the possibility to vary the sitting position from activity to rest will profit from using tilt and recline functions. Netti III EL is equipped with electrical-tilt, -recline and -leg supports which ease the use of these functions.
It is designed for users with the need for comfort and relief. The combination between the seating system and the ergonomic solution in the frame construction offers many possibilities for adaptation and adjustments.

The disabilities may have multiple causes. Netti III EL has electrical adjustable seat and back angle, thus facilitating for the user change of position, mobilization or posture correction (stabilization), wherever the following functional impediments with their multiple possible causes are present:

- limited or lacking mobility
- limited or lacking muscle power
- limited movement range
- lacking or limited trunk and body stability
- hemiplegia
- rheumatic-type disorders
- craniocerebral injuries,
- amputations
- other neurological or geriatric disorders.

If our standard solutions does not cover you needs, please contact our customer service for Netti customized solutions.

1.2 CONTRA INDICATIONS

With strongly muscular spasticity we recommend the Netti Dynamic System which offers a frame construction that follows the movement pattern of the user.
Ignoring this advice could in unfavourable circumstances lead to the deformation or fracture of metal parts in the area of the back tube, the leg or the arm supports.

1.3 QUALITY AND DURABILITY

The Netti III EL wheelchair is tested at TÜV SÜD Product Service GmbH in Germany, following the European Standard DIN EN 12183:2014.

As manufacturer, Alu Rehab A.S evaluates the test to be equal to 5 – 6 years of normal use of the chair. The disability of the user, the toughness of use as well as the level of maintenance does foremost decide the durability of the wheelchair. Thus, the durability will vary depending on these three factors.

1.4 THE ENVIRONMENT AND WASTE DISPOSAL

Alu Rehab and its suppliers wish to protect the environment.

This means:

- That we avoid using environmentally harmful substances and processes to the greatest extent possible.
- That Alu Rehab's products are ensured a long service life and a high degree of flexibility – to benefit the environment and economy.
- That all packaging can be recycled.
- That the wheelchair was designed to be separated into its component materials – to make recycling easier.

Contact your local recycling agent to get correct information how to handle in your area.

TEMPERATURE RANGE
Netti III EL wheelchair is designed for temperature range of -10°C to +40°C.

1.5 INFORMATION FOR RE-USE

All products from Alu Rehab are designed to give years of maintenance-free service. All products can be adapted for re-use by an authorised dealer. In order to guarantee performance and safety, Alu Rehab recommends the following tests prior to any re-use.

Please examine the following components for function, integrity etc. and replace parts if necessary:

- Wheels (tyre tread) and quick release
- Wheelchair frame
- Front castors and quick release
- Hubs
- Brake function
- Directional stability of wheels
- Bearings: test for wear and lubrication.
- Cushions
- Leg supports
- Arm supports
- Recline / tilt function
- Push bar / handles
- Anti-tip
- Batteries – may need to be replaced
- Controlbox
- Charging point and all connectors
- Joystic
- Electrical functions of all actuators

For hygienic reasons: please replace the head support for a new user.

Please also note the contents of Section 12.2 Cleaning and care.

A refurbishment manual for Netti Wheelchairs can be downloaded at My-Netti.com

A recycling manual for Netti Wheelchairs can be downloaded at My-Netti.com

User Manual on web – My-Netti.com

1.6 ABOUT THIS MANUAL

In order to avoid damages while using the Netti III EL wheelchair, please read this manual carefully before starting to use the chair.

Symbol of forbidden actions. No warranty can be claimed whenever these actions are implemented.

Symbol of warning. Whenever this symbol is used, caution has to be taken.

Symbol for important information.

Symbol for useful tips.

Symbol for tools.

Symbol for: Max safe slope for hand brake.

Symbol for: Max user weight.

Symbol for medical device

Manufacturer: name + address

Date of manufacturing

Product serial number

Read Instruction

Please note that this manual is updated according to the year and date stated on each page.

For enhanced readability (advantageous for users with visibility challenges) please find our user manual on our web page: www.My-Netti.com – manuals – user manual Netti III EL.

Latest user manual updates, product safety notes, addresses and other product information like recalls etc. will be published on our web page.

1.7 VITAL MEASURES

Netti III EL is a comfort wheelchair designed for both outdoor and indoor use.
Min. dimensions in table refer to seat width 350 mm.
Max dim refers to seat width 600 mm.

Specifications varies between countries.

TOTAL WEIGHT: 35 KG
(450 mm width chair)

SEAT WIDTH:
350, 380, 400, 430, 450, 500, 550 & 600 mm

SEAT DEPTH:
(From back rest cushion to front of seat plate)
400, 425, 450, 475, 500 mm

SEAT HEIGHT:
(From floor to top seat plate using 24" main wheels in upper hole position).
440 mm*

* By changing position of main wheels, it is possible to achieve seat height of 475 mm. Other seating heights can be reached by changing wheel dimensions.

BACKREST HEIGHT:
500 mm*

* Using back rest extender gives 600 mm backrest height including back cushion.
** For Netti III EL with seat width 500 mm and more, the overall width exceeds recommended 700 mm.
*** Least stable and most stable refers to the positioning of the anti-tippers. Always use anti-tippers driving uphill.

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Specifications	min.	max.
Overall length with leg rest – horizontal seat. (Seat + back tilted max forward. Leg supports vertical)	1030 mm (955 mm)	1030
Overall width **	570 mm	820
Folded length	780 mm	780
Folded width (removed wheels)	480 mm	730
Folded height (removed wheels, cushions, arm, head + leg support)	520 mm	520
Total mass	32,0 kg	36,0 kg
Mass heaviest part: frame	17,0 kg	20,2 kg
Mass heaviest component: leg support	2,4 kg	3,0 kg
Static stability downhill		13°
Static stability uphill***	8°	15°
Static stability sideways	15°	15°
Safe slope, use anti-tipper		10°
Seat plane angle	-9°	16°
Effective seat depth	400 mm	500 mm
Effective seat width	350 mm	600 mm
Comfort Seat surface height at front	440 mm	475 mm
Backrest angle	86°	133°
Backrest height ex cushion	490 mm	590 mm
Leg support to seat distance	280 mm	560 mm
Leg to seat surface angle	90°	180°
Arm support to seat distance	185 mm	325 mm
Front location of arm support structure	300 mm	430 mm
Push rim diameter	535 mm	535 mm
Horizontal axle location	-10 mm	95 mm
Parking brake max slope	–	7°
Minimum turning radius, vertical leg supports	R 675 mm	702 mm

Model with 24" main wheels. Measured without cushions.

Product configuration may vary between different countries.

Illustrations may differ from the delivered product.

For visually impaired people, manuals and catalogues can be downloaded at www.My-Netti.com

2. QUICK REFERENCE

The content of this page is a summary of the whole manual. It gives you a brief introduction to the use and care of the **Netti III EL** wheelchair.

The quick reference is not a replacement for the manual, only a reminder / check list.

- Unpack the wheelchair (Chapter 8.1).
- Mount the main wheels (Chapter 8.2).
- Mount the front castors (Chapter 8.4).
- Rise the back rest and mount the recline gas strut to the back rest using the locking bolt. (Chapter 8.7).
- Mount the arm supports (Chapter 8.11).
- Mount the cushions (Chapter 8.12).
- Mount the leg supports (Chapter 8.14) and connect them with the electrical jack.
- Adjust the push handles (Chapter 8.16).
- Mount the head support (Chapter 8.15).
- Mount accessory (See chapter 6 for more information. Mounting descriptions will follow the accessory.).
- Connect the battery and start electrical functions (See chapter 7).

ADJUST THE WHEELCHAIR TO THE USER:

Adjust seat depth and eventually the wheelchair balance, foot board height, armrest height, head support height and depth, chair back cushion height.

For more information about adapting the wheelchair to the user please see
www.My-Netti.com knowledge and tools.

For troubleshooting, see chapter 11.
For adjustments see chapters 6.

ANTI-TIP Correctly fitted, the anti-tip will secure the chair from tipping backwards. We strongly recommend the use of the anti-tips.

If the chair has pneumatic tires: Make sure to check tyre pressure every week and inflate to keep 24" wheels at 45 PSI, and 7" wheels at 36 PSI.

Drive carefully!

Be sure to lock all handles properly.

Never stand on the foot plates due to risk of tipping forwards.

Never lift the wheelchair by the leg supports, arm supports or head support.

The anti-tips are always used for the safety of the user.

Watch out for pinching danger when folding and unfolding, tilting, reclining and all other adjustment movements.

When the chair is tilted rearwards the anti-tips must be activated. The brakes must be locked when leaving the user in the backwards tilted position.

Be aware:friction against push-rims can create a warm surface.

Surface temperature of metal parts in frame structure might increase when exposed to direct sunlight.

Salt water can increase risk of corrosion. Further precautions related to environmental conditions not needed.

If electrical features are mounted: Charge the battery daily.

If in doubt – contact your dealer!

3. ELECTROMAGNETIC INTERFERENCE AND WARNINGS

Wheelchairs with electrical functions / features may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the electrical functions to move by themself. It can also permanently damage the elctrical control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each electrical function can resist EMI up to a certain intensity. This is called its "immunity level." The higher the immunity level, the greater the protection will be. There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warnings listed below, your risk to EMI will be minimized.

Netti III EL electrical functions degree of protection: IPX4.
Netti III EL electrical functions are EMC approved.

It is very important that you read this information regarding the possible effects of electromagnetic Interference on your wheelchair with electrical features.

THE SOURCES OF RADIATED EMI CAN BE BROADLY CLASSIFIED INTO THREE TYPES:

A Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit.
Examples include: citizens band (CB) radios, "walkie talkie," security, fire, and police transceivers, cellular telephones, and other personal communication devices.

Some cellular telephones and similar devices transmit signals while they are ON, even when not being used.

B Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle.

C Long-range transmitters and transceivers such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and media players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your wheelchair electrical features.

The above listed devices and transceivers and Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect electrical functions and movement of the wheelchair. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the Netti III EL electrical features.

Following the warnings listed below should reduce the chance of unintended wheelchair movement, which could result in serious injury.

Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the power chair is turne ON.

Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.

If unintended movement occurs, turn the power chair OFF as soon as it is safe.

Be aware that adding accessories or components, or modifying the electrical functions on the wheelchair, may make it more susceptible to EMI.

Report all incidents of unintended movement to the distributor of the product. Note whether here is a source of EMI nearby.

The wheelchair might disturb the operation of devices in its environment that emit electromagnetic fields (e. g. alarm systems of shops, automatic doors etc.)

4. DESCRIPTION*

1. Head support
2. Back rest cushion – model Stabil
3. Arm support with pad
4. Seat cushion
5. Knee pad
6. Charging point on wheel frame
7. Bearing house / front fork fastening
8. Quick release for front fork
9. Front fork
10. Front castors
11. Locking bolt for foot plates
12. Foot plate
13. Calf support
14. Angle adjustment screw
15. Height adjustment screw
16. Leg support connector left
18. Anti-tip
19. Brake
20. Quick release axle
21. Push ring
22. Main wheel
23. Name plate Wheelchair on lower back cross bar
24. Release handle for arm support
25. Remote control
26. Release handle for push handles
27. Push handle

Netti III EL is equipped with 3 types electrical functions:

- Electrical actuator for tilting the seating unit
- Electrical actuator for reclining the chair back
- Electrical leg support actuators.

It is possible to configure Netti III EL with one, two or three electrical functions listed above.

Be aware that specifications may vary between countries.

If any of these parts are missing, please contact your dealer.

For complete information, please contact your dealer.

5. FEATURES OF NETTI III EL

STANDARD

SEAT: NETTI UNO SEAT CUSHION– UP TO SW 500 mm
NETTI SIT CUSHION FOR SW 550 – 600 mm

- Cushion with good pressure distributing properties
- Tilt -9° to +16°
- Adjustable height 400 mm to 485 mm by change of wheel size and position
- Adjustable depth up to 100 mm
- Sliding seat (See chapter 5)

WHEELS*

- 24" x 1" Puncture proof main wheels with quick release axle
- Push rim: Aluminium
- 7" puncture proof front castors with quick release axle

Standard main wheels may vary between countries.

FRAME – Steel cross bars

PUSH HANDLES

- Height adjustable, swingable, removable

BRAKES – User brakes

ANTI-TIP

- Height and length adjustable – swingable

BACK REST – NETTI SMART

- Angle: 88° – 130°
- Height: 500 mm
- Back rest cushion with integrated lumbar support and side support, height adjustable
- Height adjustable and removable push handle

LEG SUPPORT

- Angle adjustable
- Height and angle adjustable foot plates with calf supports and knee upholstery

ARM SUPPORT

- Height adjustable and removable
- Depth adjustable pads

HEAD SUPPORT A

- Height, depth and angle adjustable
- Removable

OPTIONS / ACCESSORIES

SEAT

- Solid seat plate
- Comfort Seat plate up to sw 500 mm
- Netti electrical tilt of seating unit
- Trays & reading stand for trays (See chapter 5)
- Hip belts and 4 point belts (See chapter 5)

WHEELS

- Puncture proof wheels (See chapter 5)
- Pneumatic wheels (See chapter 5)
- Wheels with drum brake (See chapter 5)
- Wheels with one hand drive (See chapter 5)
- Camber angle: 2° or 4°
- Pneumatic front castors (See chapter 5)
- Spoke protectors (See chapter 5)
- Push rims (See chapter 5)

BRAKES – Drum brakes

BACK REST

- Netti electrical recline of backrest
- Back rest extender (See chapter 5)
- Lumbar support and Wedge (See chapter 5)
- Back rest cushions – different models

LEG SUPPORT

- Netti electrical leg supports
- Universal leg support
- Amputation support
- Knee and thigh support (See chapter 5)

ARM SUPPORT

- Different pads (See chapter 5)
- Hemi armrest and Hemi cushion (See chapter 5)

HEAD SUPPORT

- Different models (See chapter 5)

6. ACCESSORIES

The anytime updated complete accessory program is found on our web page www.My-Netti.com – order forms.

Not all accessories are available for all wheelchair configurations. Please check the homepage or ask customer service for further details.

BELTS
Several models:
Hip belts with or without upholstery and with plastic lock or car lock. (See chapter 5.1 for mounting.)

H-BELT ATTACHMENT BAR
To be mounted onto separate bars or to the push handles. Comes in two sizes with telescopic bar.
(See chapter 5.2)

TRAYS
3 models:
Swingable, lockable and standard "push on" model.

UPHOLSTERY FOR TRAY
Offers a soft base for the arm resting on the tray.

HALF TRAY
Swingable upholstered half tray. The tray replaces the existing standard armrest.

WEDGE
Increases side support.

LUMBAR SUPPORT
Increases lumbar curvature.

SEAT CUSHIONS
Many to choose from.
Please contact your dealer.

BACK REST CUSHIONS
Many to choose from.
Please contact your dealer.

SPOKE PROTECTORS
For 20", 22" and 24". Black or transparent is optional.

FOOT BOX
Upholstered.

LEG SUPPORTS:

MANUAL ANGLE
Adjustablel

ELECTRIC ANGLE
Adjustable

GRANDIS ANGLE
Adjustable

UNIVERSAL
Adjustable in fixed positions between 33° to 105° using an adjustment wheel.

AMPUTATION SUPPORT

FOOT PLATE UPHOLSTERY

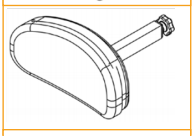
KNEE / THIGH SUPPORT
The support reduces adduction.

ABDUCTION BLOCK
The block reduces abduction.
Small: 80 mm width
Medium 110 mm width
Large: 140 mm width

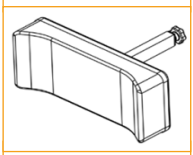
HEAD SUPPORTS

Support A
Side support also available with forehead strap.

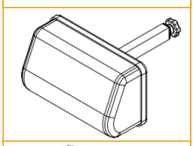
Support B
Small



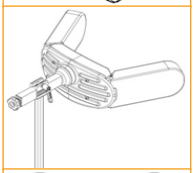
Support C
Large



Support D
comfort pressure distributive



Support E
adjustable side supports



Support F
with cheek / chin support band

HYGIENE COVER
Protects the core of the head support.

HEAD CUSHION
400 x 400 mm cushion with Kospoflex filling and rubber.

HEAD CUSHION COMFORT
Cushion with Kospoflex filling to pull onto head rest.

BACK REST EXTENDER
120 mm extender.
To be used together with 600 mm back rest cushion. When using Netti III with seat widts 500 mm and more as seat in car, the back rest extender and enforced head support is required.

ARM SUPPORT PADS
Wide: 415 x 80 mm
Long: 445 x 70 mm
Long/Wide: 525 x 80 mm
Short: 333 x 58 mm
Standard: 385 x 58 mm
Arm support pad bended.

HEMI ARM SUPPORT
Offers extra support for the affected arm. Can be set in fixed positions.

HEMI CUSHION
A more accommodating support than the hemi arm support.

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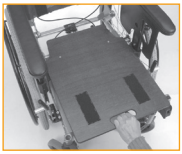
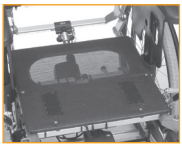
COMFORT PADS
To be attached to the skirt guard. Offers a pressure distributing effect. 25 mm, 35 mm and 45 mm.

SLIDING SEAT
The seat can be pulled out and pushed in while the user sits in the seat. This eases transfer and positioning of the user. **NOT to be used for seat depth extension.**



COMFORT PLATE
The plate has a hole in the rear, which in cooperation with the seat cushion, increases pelvic stabilization.



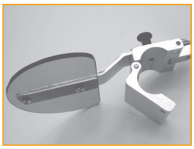
CALF PAD HINGED
The user doesn't have to lift the legs when mounting or dismounting the leg supports.

FOOT BOARD WITH LOCK
The leg supports can be swung to the side like standard leg supports.

SIDE SUPPORT CORRECTION
Meant for correction of bad postures in the upper trunk. For optimal function use together with flip backrest.

PAD FOR SIDE SUPPORT CORRECTION

SIDE SUPPORT STABLE
Meant for users with decreased stability of the upper trunk. For optimal function use together with Stable cushion.

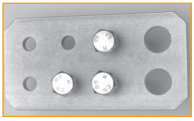


PAD FOR SIDE SUPPORT STABLE

LONG BACK REST HINGE
Covers seat depth:
545, 570 and 590 mm.
Must be used with extra long locking head.

EL. COMPONENTS
For tilt, back rest and leg supports, separate units or complete kit.

FRAME EXTENDER
Increases distance between main wheels and front castors.
Reduces tipping risk.



UPHOLSTERY FOR CALF SUPPORT BRACKET
Reduces pressure.

BRAKE EXTENDERS
90 mm
120 mm
250 mm

TOOL SET

Model: Netti III EL
Language: English **Version:** 2023-04

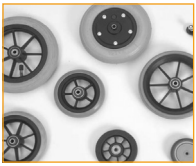
MAIN WHEELS
Available in sizes: 12", 16", 20", 22", 24" & 26". All wheels available 2 widths: 1" and 1 3/8". Puncture proof Flexel or PU or pneumatic. Inflation pressure is clearly marked on pneumatic tyres.

PUSH RIMS ALUMINIUM:
20", 22", 24", 26"

FRICTION PUSH RIM
20", 22", 24", 26"

ONE HAND DRIVE
20", 22", 24", 26"x1 3/8" 20", 22", 24" x 1"
In addition you must order a telescopic connection bar for the wheels.

FRONT CASTORS
Sizes available:
3", 4", 5", 6", 7" & 8". Castor available in Flexel or PU puncture proof qualities or pneumatic.



FRONT FORKS
Standard w / axle
Long w / axle
Short w / axle
Wide w / axle
Long / Wide w / axle

6.1 MOUNTING OF HIP BELT

Please see **www.My-Netti.com** for continuously updated overview of belts and harnesses and installation instructions.

- Pull the belt thorough the hole in the hip belt bracket.

- Thread the belt back through the belt clamp.

- Fix the hip belt bracket to the rearmost hole in the back hinge, using the enclosed screws and nuts.

2 pcs 13 mm open-end spanner.

6.2 MOUNTING OF H-BELT BAR

- See separate mounting description MD0074 for Harness adapter kits.
- Fix the push handles in correct position and lock firmly. Then fix the bar at the right position / height. The height should be level with the shoulders of the user.

- Thread the belt through the rolls and lock the belt by pulling the belt through the belt clamp. Adjust to the requested length of belt.

6.3 NETTI DYNAMIC SYSTEM KIT

INTENDED USE

Netti Dynamic System is an advanced mobility aid for users affected by dystonia. It is for users with extensive movement patterns resulting in strong spasms and contractions of the user's musculoskeletal apparatus causing involuntary movements, sliding, loss of function and also challenging the strength of the wheelchair.

Netti Dynamic System kit is ordered complete or partwise and installed by Alu Rehab.

Netti Dynamic System is a modular system that can be customized and adjusted according to the user's need.

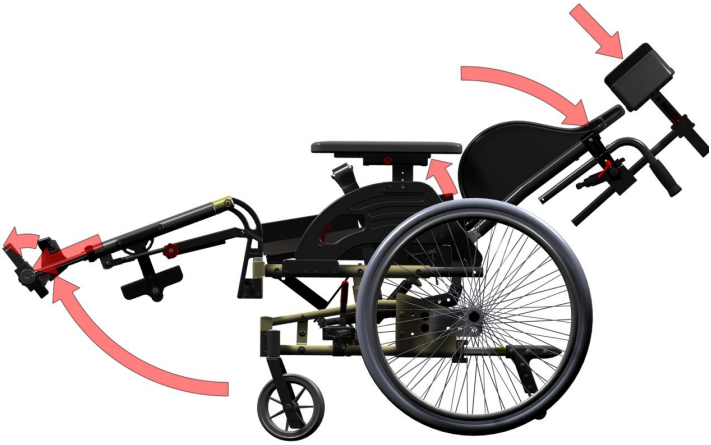
THE COMPLETE KIT CONTAINS:

- Netti Dynamic leg supports
- Netti Dynamic seat plate
- Netti Dynamic chair back cylinder
- Netti Dynamic head support
- Frame extender
- Pelvic stabilizer – hip-belt
- Shoe shells

NETTI DYNAMIC SYSTEM
allows for Open Kinetic Chain movements (OK-C):

- Foot movements
- Leg movements
- Hip movements
- Back movements
- Head movements

The patented Netti Dynamic System accommodates the user's extension movements letting the wheelchair work in synergy with the user's movements. When accommodating the spastic extensions pattern, muscle tone and frequency of spasms could be reduced. The wheelchair is dynamic and will follow the user's movements of both upper and lower body.



Before using Netti Dynamic System (NDS) or any of its components, a seating assessment should be carried out by a trained professional.

IMPORTANT BENEFITS

- The wheelchair adapts to the movements of the user.
- The user will have less discomfort during spasm as the wheelchair supports the movement.
- After a spasm the user returns to the original sitting position securing a good position and pressure distribution.
- It prevents unintentional change of position.
- It prevents the user from sliding forward in the chair and thereby getting a bad sitting position and inadequate distribution of pressure.
- Extends the lifetime of the wheelchair.

Detailed descriptions are found in separate user manuals for

- UM0116UK Netti Dynamic System seat, back and head support.
- UM0115UK Netti Dynamic System leg supports.

Both are available at our homepage www.My-Netti.com or at your dealer.

7. ELECTRICAL COMPONENTS

Electrical components are mounted by Alu Rehab or certified personnel.

Netti III EL is a manual wheelchair equipped with electrical operation of tilt, recline and leg supports. The chair may be equipped with one or several of the electrical functions. They are operated with a hand control.

The electrical components are:

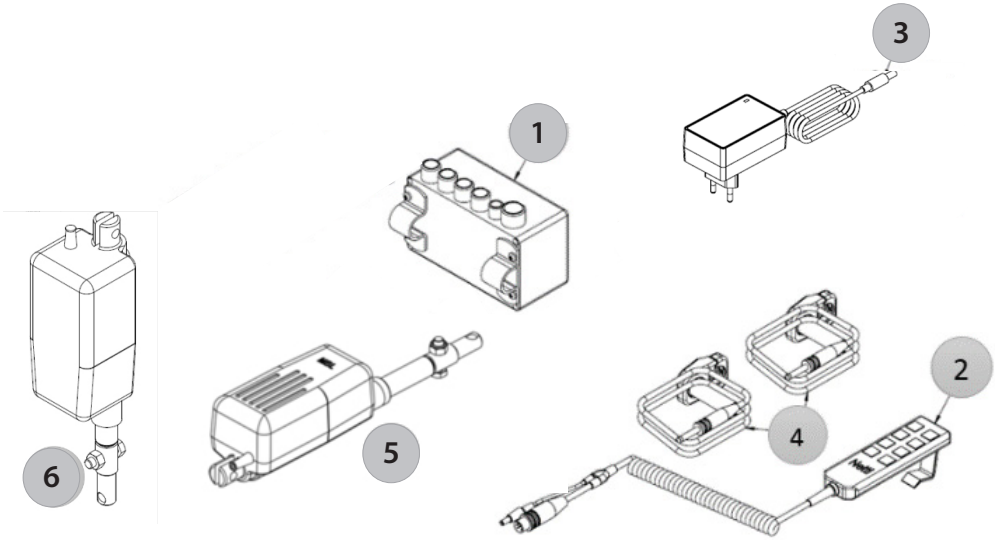
Pos. 1 – 1 Controlbox complete
Pos. 2 – 1 Remote control
Pos. 3 – 1 Charger
Pos. 4 – 2 Leg support – Actuator contacts with bracket
Pos. 5 – 1 Back recline Actuator
Pos. 6 – 1 Tilt Actuator
2 Leg support Actuators

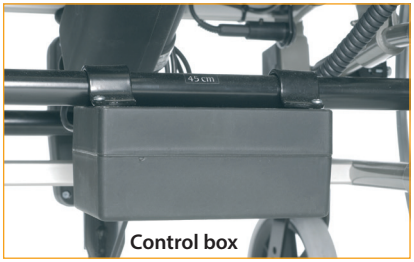
The products are CE-marked and follows EMC standard EMC 60601-1-2.

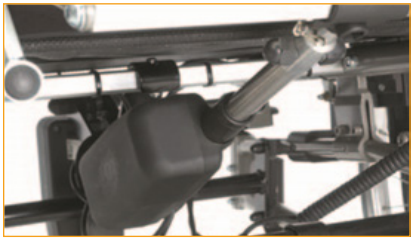
Weight of components:

Control box with batteries	840 gram
Tilt actuator:	1650 gram
Recline actuator:	1610 gram
Leg support actuator:	984 gram each
Hand control:	240 gram
Cable for charger:	20 gram
Total weight all inclusive:	**6328 gram**

The charger is free standing and not calculated as part of the weight of the wheelchair

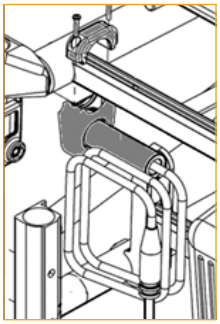



Control box


Recline actuator


Tilt actuator


Leg support


Socket for the leg support

THE ELECTRIC COMPONENTS

The Control box with 24V 2.5 AH Li-ion battery.

The tilt and the recline actuators, the remote control and the actuator socket brackets for the leg supports are are plugged into the control box. The box is labelled accordingly.

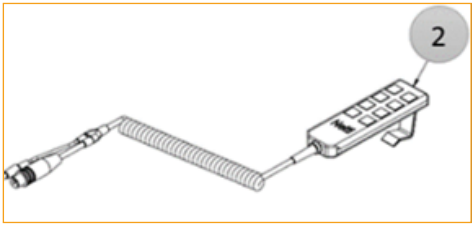
Actuator for Recline function and tilt function R 3000

Max push force	2000N – 3000N
Max pull force	2000N – 3000N
Max speed (full load)	2,3 – 9,6 mm/s
Max speed (no load)	5,0 – 16,0 mm/s
IP-class	IPX4
Current consumption (full load)	1,6A – 6,0A
Feedback & switches	Motor 24VDC standard

Actuator for leg supports RE1001
IP 41, 600N, 100MM, 24V, with special cable, with steel end bracket.

The actuator socket bracket for the leg supports are fixed on each side of the front cross tube at the seating frame.

REMOTE CONTROL



The remote control unit is connected to the Control-box fixed to the wheelchair frame.

A holder for hand control can be mounted as accessory.

On the remote control the icons are describing the different functions:

Hand control functions:

1. Recline forward
2. Recline back
3. Tilt forward
4. Tilt back
5. Left leg support up
6. Left leg support down
7. Right leg support up
8. Right leg support down

KEY-LOCK

A key lock function to lock one or several channels / functions is available.

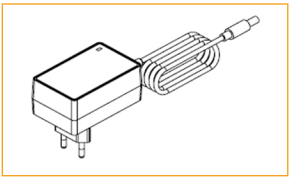
- To lock a channel: press both buttons for that channel at the same time – for 3 seconds, until the alert indicator LED is lit. The channel is locked.

If turning of the system with the on / off button and then start again, the red LED will light up for a short while to indicate that a key lock is active.

- To unlock: press both channel buttons at the same time for 3 seconds until the alert indicator LED is switched off.

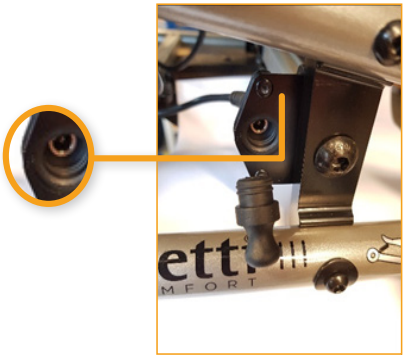
CHARGER

Mascot 2240 Pb 24D 0,5A IP67 insulation class 2
see separate user manual for the Mascot charger.



7.1 CHARGING

To charge the electrical kit you need to connect the charger to the charger socket on the right side of the wheelchair frame.



The batteries should be recharged when the LED on the hand control is showing low battery.
Preferably charge every day after use.

When the green light on the charger is glowing, the batteries are fully charged

Replace the rubber plug in the charger socket when the charging is finished.

Maximum charging time: 24 hours.

On the hand held remot controller the battery info LEDs indicates the level of battery power left.

FIRST USE
Connect battery:
Plug in the standard Mascot 24V charger delivered with the control box into the charger socket on the wheelchair. Plug in the charger into a wall socket. Wait 5 sec and unplug the charger. The battery is now connected.

Charge the batteries before first use.

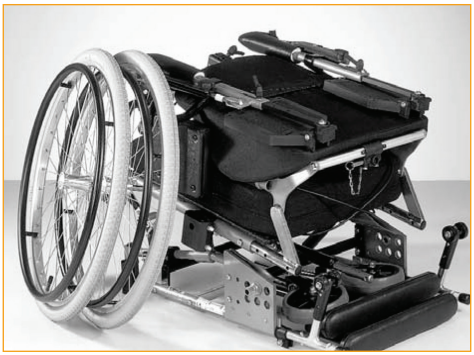
Automatic battery disconnect:
To prevent deep discharge and protect batteries, the battery automatic goes into DEEP SLEEP if there is no operation within 30 minutes after power on.

WAKE UP PROCEDURE:

Push the power button on on the hand control, the system will automatic wake up.

Charge the battery if required.

8. ASSEMBLING AND ADJUSTING



8.1 UNPACKING (See chapter 5 & 6)

1. Unpack all the parts, and check that everything is there according to the packing list.
2. Mount main wheels and front castors.
3. Mount back rest, arm supports, cushions and leg supports.
4. Mount accessories.

Weight of components (450 mm chair width):

Drive wheels:	1,90 kg each
Front castors:	0,80 kg each
Leg support angle adj.:	2,10 kg each
Uno | Back:	1,25 kg
Netti | Sit:	1,00 kg
Head support A:	1,00 kg
Head support C:	0,90 kg
Arm support:	1,10 kg

Necessary tools are described under each chapter.
Accessories described in chapter 5 is a presentation of options, and will be delivered with separate mounting descriptions.
When seating and wheel adjustments are done in the possible positions by standard equipment, the adjustments will not exceed safe limits.

8.2 DRIVE WHEELS

To mount the drive wheel remove the quick release bolt from the hub bushing, lead it through the centre of the main wheel and into the hub bushing while pressing the knob in centre.

To check that the drive wheel is properly attached to the hub, remove the finger from the central knob and pull the main wheel.

If the drive wheel does not lock, do not use the wheelchair but contact your dealer.

Sand and sea water (salt used for gritting in the winter) can damage the bearings of the main wheels. Clean the wheelchair thoroughly after exposure.

8.3 FRONT FORK

Front forks come as standard with quick release axles. The front fork is easily removed by pressing the quick release button on top of the bearing house.

Check angle of castor bearing house (See chapter 8.5).

8.4 FRONT CASTORS

To take off

- Press the release button on top of the front fork bearing house – underneath the silicon cap and pull the wheel down.

To mount

- Lead the quick release axle into the bearing house and push till it clicks in. Pull the fork slightly to ensure that the fork is fully locked.

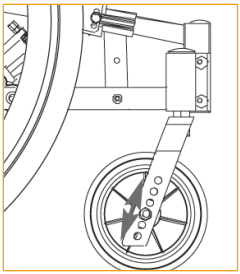
Sand and sea water (salt used for gritting in the winter) can damage the bearings of the front castors. Clean the wheelchair thoroughly after exposure.

8.5 SEAT HEIGHT AT THE FRONT

The seat height depends on:
- Size of front castors.
- Size of front fork.
- Check the angle of the castor bearing house.

In chapter 5 the overview shows that you can choose between several models of both front castors and front forks. To change the height of the front castors – unfix the wheel and replace it in the required position in the front fork.

Angle of bearing house
Correctly adjusted angle of the front fork is important to achieve proper manoeuvring qualities of the wheelchair. Unfix the two screws on the inside of the frame enough to adjust the eccentric nuts. Angle the bearing house, so that it is 90° relative to the ground. Tighten the screws with 16 Nm.



1 pc 5 mm Allen key.

The bearing house can not be height adjusted.

Check and adjust the position of the anti-tip if necessary.

8.6 SEAT HEIGHT AT THE REAR

The seat height at the rear depends on:
- Size of main wheel.
- Position of main wheel.

Main wheel
Loosen the hub bushing, including washer and nut, and mount it in required position in the main wheel bracket.

2 pcs 24 mm open-end spanner.

Make sure that the nut on inside of frame totally wreathes the wheel bushing.

When the seat height is changed make sure that the bearing house of the front castors are adjusted vertical to the ground.

The risk for tipping increases when the main wheel is moved forward in the main wheel bracket.

Check the position of anti-tip.

Readjust the brakes (See chapter 8.17).

Readjust the angle of the bearing house (See chapter 8.5).

8.7 BACK REST

- To mount the recline actuator, lift the back rest by its push bow with one hand, and lead the actuator locking head into the plastic bracket which is sitting on the chair back lower cross beam.
- Secure the back rest by pushing the locking bolt in from the side, through the bracket and actuator locking head.

If the gas spring seems too long, use the cross beam to squeeze the piston into the gas spring body. Place the cross beam on top of the piston and press the push-bow while you at the same time pull the recline handle. The piston slides into the gas spring and it becomes short enough to easily enter the plastic locking head on the cross beam.

To check that the back rest is locked, grip the push bow and press the back rest forward. If the backrest falls forward – repeat the locking procedure or contact your dealer.

8.8 ADJUSTING THE SEAT DEPTH

The seat depth can be adjusted both in the back and in the front of the seat. Adjustments are done to give the user a comfortable seating position with proper lumbar support while the knee joint is aligned with the leg support knee joint.

By adjusting the seat depth the chair balance and the driving characteristics may change. **A well balanced chair is easy to drive without easily tipping backwards.** Always start with adjusting the seat depth backwards, then adjust the leg support fixing bracket to make the leg support knee joint align with the user knee joint. If necessary the driving wheel position also needs to be change.

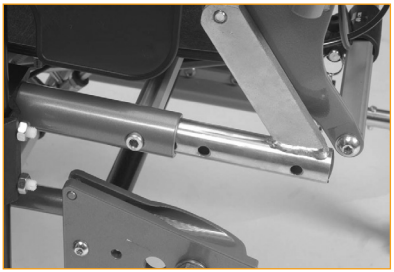
The seat depth can be adjusted 100 mm in the rear and 100 mm in front.

ADJUSTING SEAT DEPTH AT THE REAR

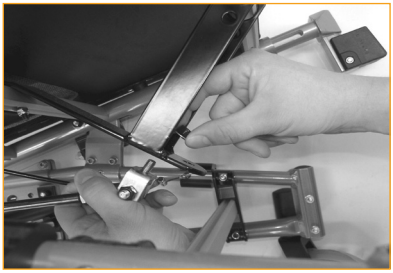
Adjusting seat depth at the rear:

- The back rest hinge has 5 holes with 25 mm distance between them.
- The seat depth can be adjusted from 400 to 500 mm (measured from front of seat plate to backrest tube without backrest cushion).
- On the frame under the chair plate there is mounted an extra locking head for the gas strut.
- The short locking head covers seat depth 400 mm, 425 mm and 450 mm.
- The long locking head covers seat depth 450 mm, 475 mm and 500 mm.

(A long back rest hinge which covers longer seat depths is available. See chapter 5).



- When changing the position of the back rest hinge, also remember to change the position of the gas strut under the chair. The bracket has three holes. When the back rest hinge is set in the shortest position, the gas spring is placed in the front hole using the short locking head.



For each position the back rest hinge is pulled out, the gas spring is moved one hole towards the rear. When the gas spring reaches the rearmost hole with short locking head, change to long locking head and start from the front hole again.

When using the comfort seat plate it is recommended to change seat plate when changing seat depth. The seat plate comes in depth: 400 mm, 430 mm & 460 mm.

By using the Velcro adjustment straps in the chair-back you can gain some mm on the depth.

Seat depth in the rear is adjusted as follows:

- Release the tilt gas strut by tilting the seat all the way forward.
- Pull out the locking bolt for the backrest, and place the back rest forward in the seat.
- Remove the screws holding the back rest hinge, and set the hinge to a position which gives the backrest the required position. Do both sides at the same time.
- Replace the backrest screws and fix them.
- Remember to move the gas strut as described earlier in this chapter – to reach 90° back angle when the gas strut bottoms.

When adjusting the seat depth at the rear, the screw in the backrest hinge must be tightened with 14 Nm.

6 mm Allen key.
13 mm open-end spanner.

If the user requires another back rest angle than what is standard, it is possible to change the position of the gas strut in three positions under the chair in front.

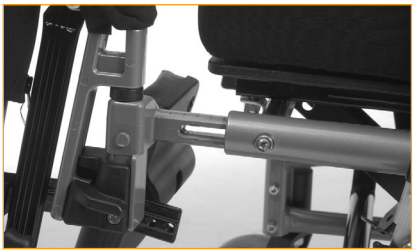
When changing seat depth, you also change the tipping point of the chair. This can be prevented by changing the position of the main wheel in the main wheel bracket (See chapter 6.6). Adjust anti-tippers accordingly (See chapter 6.10).

8.9 ADJUSTING SEAT DEPTH AT THE FRONT

It is possible to adjust the seat depth up to 100 mm at the front. By restless users the extension piece should not be pulled out more than 50 mm.

Do the following:

- Loosen the screw holding the extension piece for the leg support.
- Set the extension piece to the required position.
- Fix the screws, tighten them with 25 Nm.



6 mm Allen key.

By setting the extension piece to different positions, it is possible to compensate for a rotated pelvis or different length of thighs.

Never use the sliding seat plate in forward position as seat depth extension.

8.10 ANTI-TIP

- Adjust the anti-tip so that it does not stick outside the radius of the wheel.
- Pull the anti-tip out / rearwards.
- Turn it down 180°.
- Lock it in position by moving forwards with the spring tension.

The anti-tips are delivered adjusted according to ordered main wheel size and standard position. If other adjustments are carried out, anti-tips have to be adjusted accordingly.

Adjusting anti-tip

The anti-tips must be adjusted whenever the position or dimension of the main wheels are changed.

Correctly adjusted anti-tips should be positioned just on the inside of the radius of the main wheel.

Anti-tips are adjusted as follows:

- Unfix the locking clamp on the anti-tip bar using an Allen key.
- Pull or push the bar to required position.
- Fix the locking clamp.
- Do the same procedure on the opposite side.

6 mm Allen key.

Check that both anti-tips have the same length. The gap between the anti-tip wheels and the floor must be 20 – 30 mm.

If the anti-tip is positioned on the outside of the main wheel radius, it will interfere with curbs and stairs.

The anti-tip should always be used for the safety of the user.

8.11 ADJUSTING ARM SUPPORTS

- Turn the arm support release handle to the side and hold.
- Adjust the armrest to the required height and release the handle. Lift or lower the armrest slightly until it locks.

The arm pad and locking screw are set in the middle position. This can be adjusted to fit the user.

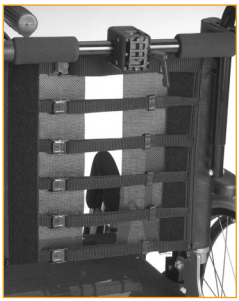
8.12 CUSHIONS

Cushions are fixed and adjusted on the wheelchair using the Velcro.

It is imperative to correctly set-up the seat and back cushions in order to ensure good seating comfort.

The cushion covers are washable and thereby reusable. Follow the instruction on the back of the cushion for correct maintenance and washing of the cushion.

8.13 ADJUSTING THE VELCRO BACK



- Loosen the straps, and place the back rest cushion so that user gets room for the bottom and the integrated lumbar support in correct position.
- Tighten the straps so that they follow the curvature of the spine and gives a little extra support at the top of the sacrum.

8.14 LEG SUPPORTS

Netti III EL has following alternative leg supports:

- Angle adjustable leg support standard
- Electrical leg support
- Grandis leg support
- Universal leg support
- Amputation leg support
- See chapter 5 for pictures.

As standard Netti III El is delivered with Angle adjustable leg support.
The angle adjustable leg supports are swingable, height adjustable and removable. They come with height and depth adjustable calf supports. The foot plates are hinged, and can be angled in fixed positions.

The foot plates come with a lock connecting the two plates which makes the plates stronger. If locking is not wanted, the bolt can be removed by using an Allen key with no loss of functionality.

MOUNTING OF ANGLE ADJUSTABLE LEG SUPPORT STANDARD:

Leg support mounting instruction:

- Fold the foot plates up.
- Hold the leg support on the top joint, and place it in the pull-out-piece in an outward turned angle as shown in the picture below.
- Swing the leg support inwards and push slightly downwards until it goes into locked position.

Angle adjustment
Loosen the star wheel on the outside of the leg support. Lift the lower part of the leg support to required angle.
Tighten the star wheel.

⚠ Be aware of squeeze hazard between moving parts.

MOUNTING OF ELECTRICAL ANGLE ADJUSTABLE LEG SUPPORT:

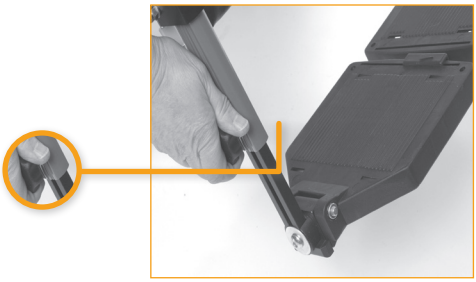
Leg support mounting instruction:

- Fold the foot plates up.
- Hold the leg support on the top joint, and place it in the leg support bracket in an outward turned angle as shown in the picture below.
- Swing the leg support inwards and push slightly downwards until it goes into locked position.

- Insert the leg support connector to its socket sitting on the side of the seat frame – one for each leg support.

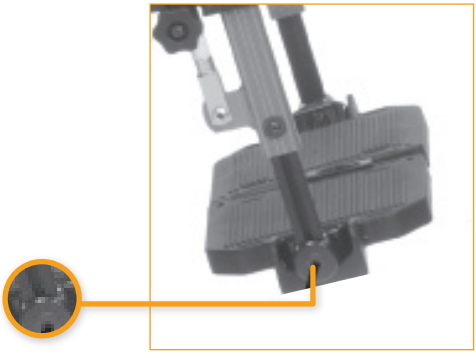
Foot plate height adjustment:
The foot plates are step less height adjustable.
- Unfix the adjustment screw so that the adjustment bar moves freely.
- Slide the foot plate to required height, tighten the screw.

As an accessory a star knob can replace the screw.



Foot plate angle adjustment:
- Loosen the screw on the outside of the foot plate – see picture below – with an Allen key.
- Tilt the foot plate to required angle and tighten the screw.

5 mm Allen key.



Foot plate lock

Locking and releasing the foot plates
- The foot plates for all except electrical leg supports, can be delivered with a lock connecting the two footplates which makes the plates stronger.
- To lock the foot plates, let the right foot plate fall over the bolt standing out from the left one, it clicks into lock.
- To release the foot plate pull the plastic lock between the foot plates and lift the right foot plate up.

While making the adjustment, there must be no load on the foot plates.

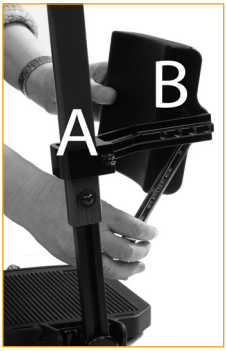
For outdoor use, there should be a clearance of 40 – 50 mm between the foot plate and the ground.

Never stand on the foot plates due to the risk of tipping forward.

Calf support adjustments
The calf supports are height and depth adjustable. The calf supports are to be adjusted in a height and depth that prevents the feet from sliding down from the foot plate.
Height adjustment:
loosen the nut **A on the calf support bracket** and slide it into required position before fixing the screw.

10 mm open-end spanner.

Depth adjustment:
loosen the screw **B between the calf support** and bracket and reposition it to required position before fixing the screw.



13 mm Allen key.

Never stand on the foot plates!

Never lift the wheelchair by the leg supports.

Removing the leg support:
- By electrical leg supports: Always start by pulling out the electrical leg support plug from the socket in the wheelchair frame.
- If there is a foot plate lock, release the foot plate by pulling the red plastic lock between the foot plates.
- Lift the right foot plate up.
- Lift the leg support in the knee joint slightly up.
- Swing it outwards – see picture.
- Lift it up.

When adjusting the leg support angle, be aware of squeeze hazard between moving parts.

MOUNTING OF LEG SUPPORT GRANDIS:

The leg support Grandis is angle adjustable.

It is swingable and removable. It is height adjustable and comes with height and depth adjustable calf support. The foot plates are hinged, and can be angled in fixed positions. As a standard the foot plates come with a lock connecting the two plates which makes the plates stronger and reduces maintenance. If locking is not wanted, the bolt can be removed by using an allen key.

Mounting of the Grandis leg support:

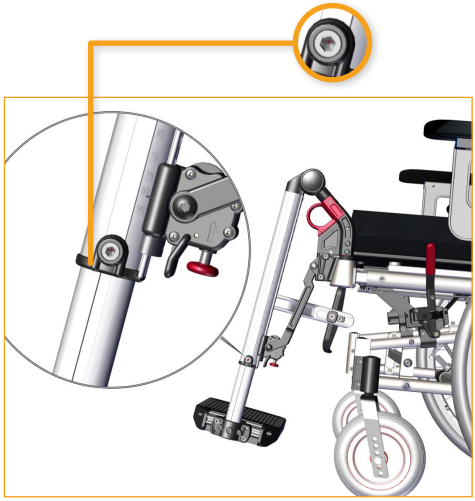
- Fold the foot plates up.
- Hold the leg support on the top joint, and place it in the pull-out-piece in an angle as shown in the picture below.
- Swing the leg support inwards and push slightly downwards until it goes into locked position.

To adjust the angle of the leg support simply release the red lever and lift or lower. The leg support will stay in the position where you lock the lever.

Grandis Foot plate height adjustment:

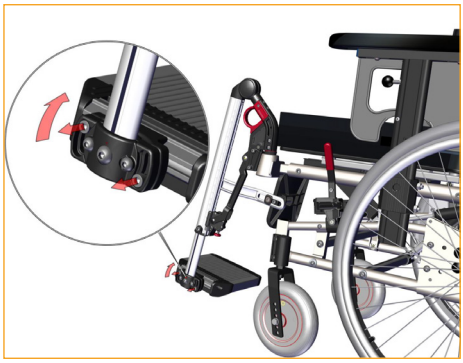
The foot plates are stepless height adjustable.

- Unfix the adjustment screw so that the adjustment bar moves freely.
- Slide the foot plate to required height, then tighten the screw.



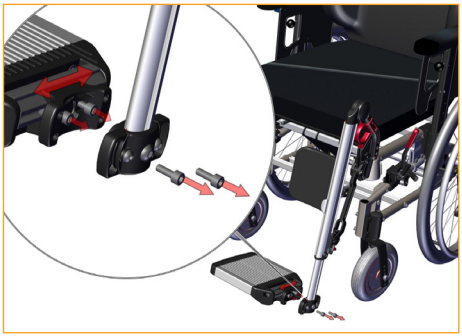
Grandis Foot plate angle adjustment:

- Unfix the 2 screws as shown below using an 5 mm Allen key.
- Adjust the foot plate to the required angle and tighten the screws.



Grandis Foot plate depth adjustment:

- Unfix the 2 screws completely as shown below, using an 5 mm Allen key.
- Pull out the foot plate and loosen the next two screws which has become visible.
- Slide the footplate forwards or backwards to desired depth before refixing all screws.



Locking and releasing the foot plates.

- The foot plates come with a lock connecting the two foot plates which makes the plates stronger.
- To lock the foot plates let the right foot plate fall over the bolt standing out from the left one, it clicks into lock.
- To release the foot plate push the plastic knob under the right foot plate and lift the right foot plate up.

While making the adjustment, there must be no load on the foot plates.

Never stand on the foot plates due to the risk of tipping forward.

When adjusting leg support angle, be aware of squeeze hazard between moving parts.

For outdoor use, there should be a clearance of 40 – 50 mm between the foot plate and the ground.

Grandis calf support adjustments
The calf support is height and depth adjustable.
The calf supports are to be adjusted in a height and depth that prevents the feet from sliding down from the foot plate.
To adjust the height, loosen the screw on the calf support bracket and slide it into required position before fixing the screw.

5 mm Allen key.

To adjust in depth of the calf pad, loosen the screw holding the calf support and slide it to required position before fixing the screw again.

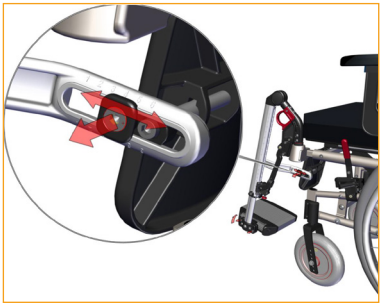
5 mm Allen key.

Never stand on the foot plates!

Never lift the wheelchair by the leg supports.

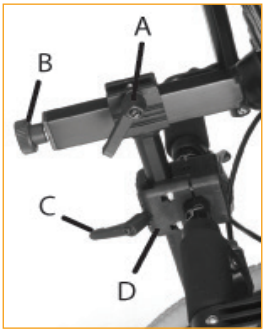
Removing the Grandis leg support:

- Release the foot plate by pushing the red plastic knob under the right foot plate and lift the right foot plate up.
- Pull the red circular grip on top of the leg support and lift the support upwards while turning it slightly outwards.



8.15 HEAD SUPPORT

A – Lever for depth adjustment
B – Wheel for angle adjustment
C – Lever for height adjustment
D – Head support bracket.



- Place the squared nut in the trace of the head support bracket as shown below.

- Place the head support in the head support bracket.
- The height and the depth of the head support is set to the required positions and tightened.
- The head support bracket is fixed by tightening the four screws two by two diagonally so the bracket is fixed with the same strength divided on the four screws.

Adjusting the head support in depth:
- Release the locking lever on top of the vertical bar (**A**).
- Adjust the head support and fix it in required position.

Adjusting the head support in height:
- Release the locking lever on the head support adapter (**C**).
- Adjust the head support and fix it in required position.

Adjusting the head support in angle:
- Release the adjustment wheel at the rear of the horizontal bar (**B**).
- Adjust the head support and fix it in required position.

Adjusting the head support sideways:
- The head support adapter can be moved both to the right and left, giving the possibility to accommodate special needs for head support.
- Loosen the four screws holding the adapter together.
- Move the adapter to the required position and fix the adapter by tightening the screws diagonally.

Remember to release the levers when adjusting the head support.

If the head support stand does not fit the bracket perfectly, the bracket is probably fixed too tight or unevenly. After fitting the head support, fix it properly by tightening the little set screw in the centre on top of the head support bracket using an Allen key.

If the head support seems too short in height, it can be turned 180° by releasing the adjustment wheel at the rear of the horizontal bar (B).

8.16 PUSH HANDLES

Adjustment of push handles:

- Release the lever on the side and lift the handle all the way up.
- Turn the handles into required position.
- Adjust height.
- Lock the handle in required position by tightening the lever.

Check that the safety screw is properly tightened.

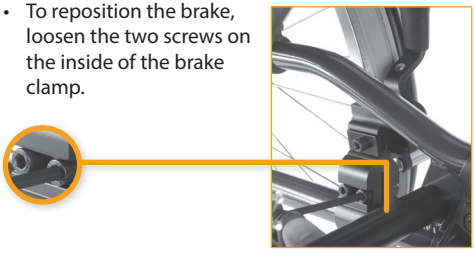
To remove the handles, the safety screw at the bottom of the handles also has to be removed.

8.17 ADJUSTING THE BRAKES

- The brakes are freely adjustable along the frame tube.
- To activate the brake, push the handle forward.

- To release the brake, pull the handle rearwards.

- To reposition the brake, loosen the two screws on the inside of the brake clamp.



- For fine adjustment, loosen the upper screw on the inside of the brakes.
- Adjust the brake position and tighten the screws.

5 mm Allen key.

Check that the brakes are correctly adjusted by activating the brakes and be sure that the wheelchair doesn't move.

The brakes are constructed as parking brakes and shall not be used as driving brakes.

Be aware of potential squeeze hazard between brake and tyre.

DRUM BRAKE
If the wheelchair is fitted with hand operated hub brakes, they operate drum brakes.

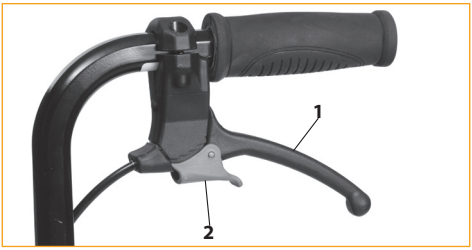
If the brake doesn't brake properly:
To adjust the wire on one or both sides, adjust the foot screw 2-4 rounds out. Then re-check the brakes.

If the wire is too loose:
Adjust the foot screw all the way in. Tighten the wire by loosening the wire clamp before pulling the wire further through it. Tighten the wire clamp, and adjust the foot screw out again.

1 pc 10 mm open-end spanner.

To ensure the correct functions of the wire, these must never be taut.

Operating and applying the brake
The wheelbase in drum brake is fitted with hand operated hub brakes to allow regulation of speed on hills and whilst traveling along. These are located on the push handles.



- To apply the brakes, pull the brake levers (**1**) evenly and smoothly towards handle and bring the wheelbase to a stop.
- For activating and locking the parking brake (**2**) press the lever (**1**) against the push handle and lock the parking brake with the finger. Be sure that both parking brakes are locked.
- The parking brake will be released when you press the lever (**1**) against the push handle. It is locked with a spring and this will release it.

Do not leave the user in the wheelchair without activating the parking brake.

9. SEAT ANGLE =TILT AND BACK ANGLE = RECLINE

9.1 SEAT ANGLE – TILT

The seat angle is regulated with the **remote control – button 3 & 4** on the picture below. The seat unit can be tilted from -9° to +16°.

9.2 BACKREST ANGLE – RECLINE

The backrest angle is regulated with the **remote control – button 1 & 2** on the picture above. The angle can be regulated from 4 ° forward to 40 ° backwards.

⚠ Always use anti tippers when recline and tilt functions are beeing activated.

ⓘ **Risk for tipping.**
Check the position of anti-tip.

ⓘ **When chair back extension is mounted, due to a tall user, the tipping risk increases. If necessary the tipping tendency can be reduced by repositioning the main wheels further back.**

9.3 KEY WORDS REGARDING TILT AND RECLINE OF COMFORT WHEELCHAIRS

Tilt and recline are the basic benefits of a comfort wheelchair. It allows for varying seating positions during the time in the wheelchair.

We have reviewed the clinical evidences regarding tilt and recline, and found there are several studies or best practice guidelines suggesting that the tilt and recline sequence is important to reduce shear and sliding:
When changing to a resting backwardsleaning position: tilt first, then eventual recline. And when bringing the user upright from a resting position, the sequence should be reverse; correct the recline angle first then the tilt. It seem that the most shear would be induced when going upright from a recline and tilted position.

9.4 DECREASE THE POSSIBILITY OF SLIDING, SHEAR AND PRESSURE SORES:

The tilt function is used for giving variation of the seating position for the user.

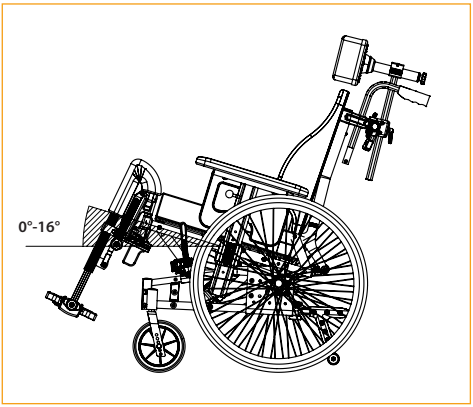
When the therapist has adjusted the back angle – recline, to accommodated to the user's best seating position, one sholud always return to this angle in upright seating position.
By upright normal seating the muscle tone of the neck and back should be as low as possible for the user to prevent sliding. A change of the recline angle from the original position will interrupt and destroy the correct body position, and cause an increased muscle tone in the neck.

If the recline function is used during a transfer situation or other situations, it is very important that the recline angle is adjusted back to the correct, original position when the user is back to a normal seating position.
Wrong usage of recline causes an increased possibility of sliding, and this means an increased danger of shear (vertical and horizontal forces) and pressure sores.

MAKE SURE THAT THE USER IS SAFE WHEN THE TILT OR RECLINE FEATURES ARE GOING TO BE ADJUSTED:
The tilt and recline functions of all Netti comfort wheelchair models is a «one hand operation», including the dynamic wheelchair models. This is a great benefit for the user: The care giver is able to establish eye contact with the user when the tilt or recline function is going to be used. The care giver is also able to communicate with the user before the tilt or recline function is used. The user will feel more safe when he / she is aware that the tilt or recline function is going to be used.

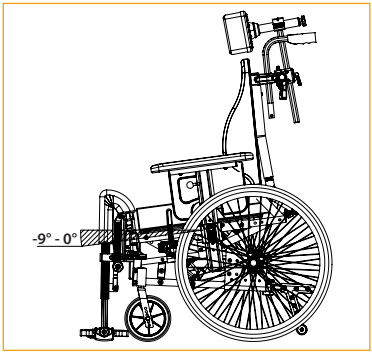
9.5 OPERATING TILT: TILTING THE SEATING UNIT

Press the tilt button on the remote control. The electric actuator move the seating unit in the direction according to the button you push.
The correct relative angle between the body parts remain the same when the seating unit is tilted.



A backward tilted seat unit gives a steeper seating angle in relation to the surface, and prevent sliding of the wheelchair user.

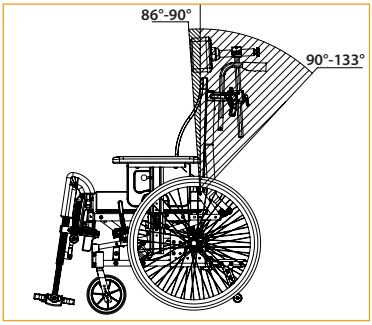
A forward tilted seat unit bring the user in a position where activities for instance by a table or by standing up from the wheelchair, is supported.



⚠ Never leave the user alone when the seat is tilted forwards. The user can slide forwards.

9.6 OPERATING RECLINE
RECLINING THE CHAIR BACK

Press the recline button on the remote control. The electric actuator move the chairback in the direction according to the button you push.



9.7 CREATING MORE INDEPENDENCE

The Netti III EL is often the choice for:
- Users with demand on frequent repositioning.
- Users who – with the electrical functions – can change the seating position themselves.

SITTING IN YOUR CHAIR

Before sitting on your chair, verify:
- The chair is switched off.
- The battery charger is disconnected from both the chair and the wall outlet.
- Remove the armrest and swing away leg supports if appropriate.

Once on your chair, make sure that you are comfortably positioned and that the leg supports and arm supports have been adjusted to suit your needs and that you have good back support. The position of the remote control should be within reach to eliminate hand and arm exhaustion.

Please be aware that wider wheelchairs have bigger turning radius and reduced manoeuvrability in vehicles. Smaller wheelchairs generally provide greater ease of vehicle access and manoeuvrability to a reach forward facing position.
Never do alterations or substitutions to wheelchairs frame parts or components without consulting the manufacturer.

GUIDELINES FOR USE

⚠ Always drive carefully.
Make sure your seating position is tilted and reclined in a way that you do have the overview when driving.

⚠ Be cautious that you do not drive down too high steps.
You may lose steering control if the leg supports hit the ground and the leg supports may also brake.

⚠ Always turn the chair OFF when transferring on or off or while the chair is stationary for long periods.

⚠ Avoid carrying bags on the push handles, it may make the chair unstable.

⚠ Always charge your batteries on a daily basis to make sure the electrical functions are working when you need them.
Disconnect the charger when the battery is full and the green light on the charger is blinking.

⚠ Use only the charger delivered with the wheelchair.

⚠ Always follow the user manual for the charger delivered with the chair.

⚠ Always charge in well tempered, dry, indoor surroundings.
Keep children, animals and other unskilled persons away from the charger.

Max backwards tilt and recline. Leg supports lifting

10. TRANSPORT

Netti III El is tested and approved to crash test ISO 7176-19:2008 stating it is suitable to be used as a seat in a vehicle.

Netti III EL with seat width 350 – 600 mm is approved for user weight up to 160 kg when used as a seat in a vehicle.

10.1 TRANSPORT IN CAR

Before using the Netti III as a seat in a car, be sure to remove and secure all parts and accessories that may fall off in case of an accident.

Always use approve wheelchair and occupant restraint system **(ISO 10452:2012) for fixing the wheelchair in the vehicle.**

In front: Use hook or strap attachment.

Stickers show where to fix the straps in the front.

In the rear: Mount "eye-bolts" in one of the holes in the wheel frame bracket, one by each main wheel.

Hook on a hook / carabiner hook in the "eye-bolt"

Item number for a pair of eye bolts with bushing: 21074.

The angle of the straps should be close to 45 °.

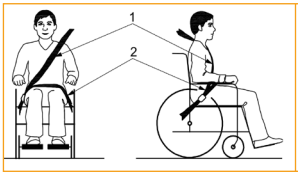
Raise the chair to an upright position with max 10 degree tilt and 10 degree recline, and turn the electric functions off when the chair is used as a seat in a car.

The rating for the wheelchair's accommodation of vehicle anchored belt restraints is A = good.

REMOVE ACCESSORIES
Netti III El has been crash tested without any power assistant device etc. If, at a later point of time a power kit, stair climber etc. is mounted, you need to check if your power assistant device is crash tested and approved for wheelchairs being used as seat in a car. If not, this must be dismounted when the wheelchair is used as a seat in a car.

SECURING THE USER
Netti III El has been successfully crash tested in a forward facing orientation with both pelvic and shoulder belts, according to the requirements of ISO7176-19 using a combined wheelchair and occupant restraint system W120/DISR from Braun Ability https://www.braunability.eu/en/products/tie-downs-and-seatbelts/wtors/.

Always use the 3-point occupant restraint belts in the car for the wheel-chair user. The corrective harnesses used in a wheelchair are not safety belts.
Make sure the pelvic-belt lay tightly across or in front of the pelvis and shoulder belt lay close to the body of the user and not across arm supports, wheels etc. See illustration.



⚠ Always use both pelvic and shoulder restraints **to reduce the possibility of head and chest impact with vehicle components. Watch out that the belt is not twisted and the release bucle will not get in contact with the chair in case of a crash.**

ⓘ **When the user is 1.85 m or longer and using Netti III El as a seat in a car, the back extension kit must be mounted.**

ⓘ **If a Netti head support is mounted correctly it is very stable but does not replace the need for an external neck support mounted in the car.**

ⓘ **Always use Netti Cushions when Netti III El wheelchair is used as a seat in a car.**

⚠ Never use the wheelchair as a seat in a car if it has been involved in an accident with impact, **before it has been inspected and approved for this by the manufacturer¨s representative.**

ⓘ **Alterations or substitutions must not be made to the wheelchair securement points or to structural and frame parts without consulting the wheelchair manufacturer Alu Rehab.**

ⓘ **Netti III El with seat width 500 mm and more, exceed the max width of 700 mm specified in PRM-TSI and have influence on the possibility for train transport.**

10.2 FOLDING FOR TRANSPORT

When the wheelchair is unoccupied, fold it as described below. Put the wheelchair in the trunk or the back seat. When placed in the back seat, secure the frame using safety belts.

- Remove head support (chapt. 6.15).
- Turn anti-tips up (chapt. 6.10).
- Swing push handles in (chapt. 6.16).
- Remove arm supports (chapt. 6.11).
- Remove leg supports (chapt. 6.14).
- Remove backrest cushion (chapt. 6.12)
- Release backrest and fold it (chapt. 6.7)
- Remove main wheel (chapt. 6.2).
  Remove front castors (chapt. 8.4).

10.3 TRANSPORT IN AIR-PLANE

Netti III El wheelchair may be transported in air-plane. For complete passenger instructions contact your airline. Advanced arrangements and extra check-in time may be necessary.
Netti III El are equipped with 3 actuators and control system. And the contorl box with 24V 2,5A (72 Watt-hours) Li-ion battery. To ensure the safety of Li-ion battery during transport the battery has abstained UM38.3 and MSDS reports. If you have such transportation needs, Netti will support you and provide you with these safety inspection reports.
If Netti III El is not configured with complete electrical kit (tilt + recline + el leg supports) the not electrical function is activated with gas spring(s). Contrary to general dangerous goods instruction UN3164, the IATA-DGR (special regulation A114) rules that the goods that contain gas and are determined to function as shock absorbers (including energy-absorbing devices or pneumatic springs) are NOT subject to the transport instructions i. e. they are indemnified from the following requirements:

a) Each article has a gas volume which does not exceed 1,6 l and a charge pressure not exceeding 250 bar, where the product of the capacity expressed in liters and charge pressure expressed in bars does not exceed 80.
b) Each article has a minimum burst pressure of 4 times the charge pressure at +20 degree Celsius for products not exceeding 0,5 l gas space capacity.
c) Each article is made of material that will not fragment.
d) Each article was manufactured in accordance to quality standard which is approved by the responsible national authority.
e) It is proven and shown that the article relives its pressure by means of a fire degradable seal or other pressure relief device such that the article will not fragment and the article does not rocket.

10.4 TRAVELLING ON PUBLIC TRANSPORT

The wheelchair should be put in a special area for wheelchairs. The wheelchair should face opposite the direction of travel. The back of the wheelchair must be located against a fixed object such as a row of seats or a partition. Make sure the user can easily reach any hand rails or handles. Use belts and harnesses in the chair to hold the user. Use safety belts if available to secure the user in the vehicle.

11. MANOEUVRING

11.1 GENERAL TECHNIQUES

The weight and balance of the chair influences the manoeuvring ability of the wheelchair. The weight, size and sitting position of the user are also influencing factors. Also the position of the wheels will influence the driving performance. The more weight placed over the main wheels, the easier it is to manoeuvre. If heavy weight is placed over the front castors, the chair will be heavy to manoeuvre.

Step approach:
Always approach the step in slow motion preventing the front castors to hit the step with force. The user could fall out of the chair by the impact. The front castors could brake.

Driving forward down steps / sidewalks:
Be cautious that you do not drive down steps higher than 30 mm. The leg supports may hit the ground first. Thereby you might loose the control and the leg supports may brake.

Companion:
If the user is left alone in the wheelchair, always lock the brakes and secure that the anti-tips are turned down.

Parking:
Increase the underneath support of the wheelchair by moving the chair about 100 mm backwards making the front castors turn forward.

Driving on soft, rough or slippery ground can make safe manoeuvring more difficult as the wheels may loose traction and it is difficult to control the wheelchair.

EMERGENCY ESCAPE ROUTES:
Netti III El with seat width 500 mm and more, has an overall width exceeding 700 mm and may have difficulties passing emergency escape routes.

11.2 DRIVING TECHNIQUES – STEP UP –

Companions, drive up a step forwards:
- Check that the anti-tip is turned up.
- Angle the wheelchair backwards.
- Lift the push handles while pushing the chair onto the step.

Turn the anti-tip down.

Users, drive up a step backwards:
This technique is only useful if the step is very low. It also depends on the clearance between the foot plates and the ground.
- Check that the anti-tip is turned up.
- Drive the chair backwards towards the step.
- Make a firm grip on the push rims and move the body forward while pulling.

Turn the anti-tip down.

Companions, drive up a step backwards:
- Check that the anti-tip is turned up.
- Pull the chair backwards next to the step.
- Angle the wheelchair backwards, moving the front castors slightly up in the air.
- Pull the wheelchair up the step and go backwards long enough to put down the front castors on the step.

Turn the anti-tip down.

11.3 DRIVING TECHNIQUES – STEP DOWN –

Companions, drive down a step forwards:
- Check that the anti-tip is turned up.
- Angle the wheelchair backwards, moving the front castors slightly up in the air.
- Drive carefully down the step and angle the wheelchair forward putting the front castors back on the ground.

Turn the anti-tip down.

Users, drive down a step backwards:
This technique is only for very experienced users. This technique should not be used if the height of the step is more than 100 mm.
- Check that the anti-tip is turned up.
- Move the wheelchair backwards to the step.
- Move carefully down the step backwards while moving the body forward to keep the balance of the chair.

Doing this increases the risk of tipping backwards.

Turn the anti-tip down.

Companions, drive down a step backwards:
- Check that the anti-tip is turned up.
- Move the wheelchair backwards to the step.
- Drive carefully down the step and move the wheelchair backwards on the main wheel until the front castors have come away from the step.
- Put the front castors down on the ground.

Turn the anti-tip down.

11.4 DRIVING TECHNIQUES – SLOPE –

Important advise for driving down and up hill avoiding the risk of tipping.

Avoid turning the wheelchair in the middle of a slope.

Always drive as straight as possible.

It is better to ask for assistance than taking risks.

Driving uphill:
Move the upper part of the body forwards in order to maintain the balance of the chair.

Driving downhill:
Move the upper part of the body backwards to maintain balance of the chair.
Control the speed of the chair by clutching the push rims. Do not use the brakes.

11.5 DRIVING TECHNIQUES – UP STAIRS –

Always ask for assistance.

Never use escalators, even if assisted by a companion.

With assistance, backwards:
- Check that the anti-tip is turned up, and that the push handles are fixed properly.
- Pull the wheelchair backwards to the first step of the stairs.
- Angle the wheelchair backwards on the main wheels.
- Pull the wheelchair slowly up the stair, one step at the time keeping the balance on the main wheel.
- Reaching the top of the stair, pull the wheelchair backwards far enough to put the front castors safely down on the floor.

If two companions are present, one person can assist lifting in the front of the frame. Lifting points on the frame are marked with this sign:

The companions should use the strength in their legs carrying the chair, avoiding unnecessary stress on the back.

Do not lift the wheelchair holding onto the leg, arm or head supports.

Turn the anti-tip down.

11.6 DRIVING TECHNIQUES – DOWN STAIRS –

Never use escalators, even if assisted by a companion.

With assistance, forwards:

- Check that the anti-tip is turned up and that the push handles are fixed properly.
- Drive the wheelchair forward to the first step of the stair.
- Angle the wheelchair backwards on the main wheels.
- Have a firm grip on the push handles, and keep the balance on the main wheel taking one step at the time.
- Reaching the bottom of the stair, put the front castors safely down on the floor.

If two companions are present, one person can assist lifting in the front of the frame. Lifting points on the frame are marked with this sign:

Do not lift the wheelchair holding onto the leg, arm or head supports.

Turn the anti-tip down.

11.7 TRANSFER

Techniques for transferring to / from the wheelchair should be practiced well with the persons involved. Here, we give some important advices for preparation of the chair:

With or without companion – sideways.
Before transfer:

- The wheelchair should be placed as close as possible to the destination of the transfer.
- Pull the wheelchair backwards 50 – 100 mm in order to make the front castors turn forward.
- Lock the brakes.
- Remove leg support and arm support on the side of the transfer.

With or without companion – forwards.
Before transfer:

- The wheelchair should be placed as close as possible to the destination of the transfer.
- Pull the wheelchair backwards 50 – 100 mm in order to make the front castors turn forward.
- Lock the brakes.
- Tilt chair forward.

USING A LIFT:
Before transfer to chair:

- Tilt the chair back.
- Remove the head support.
- Remove the leg supports.
- Open the back rest angle slightly.
- Replace the components when transfer is finished.

Never stand on the foot plates due to the risk of tipping the chair forwards.

11.8 POINT OF BALANCE

Adjust the point of balance by changing the position of the main wheel in the main wheel bracket.

- Move the main wheel hub and the main wheel (Chapt. 6.6).
- Adjust the brakes (Chapt. 6.17).
- Check that the main wheel and quick release are locked properly (Chapt 6.2).

2 pcs 24 mm open-end spanner.

5 mm Allen key.

When the main wheels are moved forward, it will be easier to manoeuvre the wheelchair, but the risk of tipping backwards increases.

The point of balance can also be changed by adjusting the seat angle and / or angle of backrest.

It is recommended to use the anti-tip.

11.9 LIFTING THE WHEELCHAIR

- The unfolded wheelchair should be lifted from two persons holding on to the frame and push bar only. It is marked with the below symbol where it should be lifted.

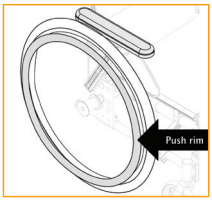
Never lift the wheelchair in the leg, arm or head supports. They may detach and the wheelchair may fall and get damaged.

Never lift the wheelchair with a user in it.

11.10 PUSH RIM

Netti wheelchairs are delivered with aluminium push rims as standard. The material and distance to the main wheel influences the ability of the user to grip. Contact your dealer to get information about push rims that fit your chair.

Alternative push rims may give better grip, but the friction may increase. When using the hands to stop the chair, the risk for burning of the hands increases.



A squeezing and trapping hazard of the fingers may occur when passing through narrow passages and if the fingers come between the spokes. To avoid this risk, we recommend spoke protectors as accessory.

If you want / need to change push rims or increase / decrease the distance between the push rims and the wheel, please contact your dealer.

12. MAINTENANCE

12.1 MAINTENANCE INSTRUCTIONS

You as a user of the wheelchair (and your attendants and family) are responsible for the everyday maintenance of the chair. Clean it regularly and do the maintenance to ensure safe and long time reliable functions and hygienic appearance.

Frequency	Weekly	Monthly
Check defects / damages e. g. breakage / missing parts	X	
Washing of wheelchair		X
Washing of cushions		X
Check anti-tip function		X
Check brake adjustment		X
Check tyre wear		X
Oiling of bearings and sliding profiles with bicycle oil or vaseline		X
Charge batteries – daily	XX	

12.2 CLEANING AND WASHING

1. Remove cushions before washing the chair.
2. Wipe all electrical components with a damp cloth and do not wet them.
3. Clean the frame using water and a rag.
4. We recommend using soft soap.
5. Rinse the wheelchair well using clean water to remove all the soap – without wetting the electrical components.
6. Use methylate spirit removing dirt left.
7. Clean cushions and covers according to instructions printed on cushions.

NETTI CUSHION CLEANING PROCEDURES

CORE	
Washing	Hand wash 40° C
Disinfection	Virkon S
	Auto clave 105° C
Drying	Squeeze
	Air dry standing edgewise
OUTER COVER	
Washing	Machine wash 60° C
Drying	Tumble dry max. 85° C

DISINFECTION OF THE WHEELCHAIR

Remove cushions.
See separate washing instruction above:
Wipe disinfection: use a soft rag wetted with Hydrogen peroxide or technical alcohol (isopropanol) and wipe the whole chair clean.
Hydrogen peroxide recommended:
NU-CIDEX "Johnsen and Johnsen".

Check / re-adjust screws and nuts at regular intervals.

Sand and sea water (salt used for gritting in the winter) can damage the bearings of the front castors and main wheels. Clean the wheelchair thoroughly after use.

* As a rule of thumb, use oil on movable parts and all bearings. Alu Rehab recommends use of ordinary bicycle oil.

12.3 LONG TERM STORING

If the wheelchair is to be stored for longer time (longer than 4 months) the battery must be recharged every 3rd month.
We recommend that the chair is cleaned before storing. Before it being used again, complete the above maintenance instructions.

SPARE PARTS

The Netti chairs are built of modules. Alu Rehab carries stock of all parts and is ready to supply these on short notice. Necessary instructions for mounting will follow the parts.
Parts to be handled by user are defined in spare part catalogues that can be downloaded at **www.My-Netti.com**.
These parts can, if needed, also be removed and sent to manufacturer / distributor upon request.

Parts related to wheelchair frame construction must be handled by manufacturer or authorized service facility.

If defects or damages occur, please contact your dealer.

Original paint for repair of scratched, can be ordered from Alu Rehab.

13. TROUBLESHOOTING WHEELCHAIR

Symptom	Reason / Action	Reference in manual
The wheelchair is going askew	• The angle of the bearing house might not be 90°. • Check that the front castors are fitted in the same height. • The main wheel hubs might be incorrectly mounted. • One of the brakes might be too tight. • The user are sitting very askew in the chair. • The user might be stronger on one side than the other.	**8.4** **8.3** **8.6** **8.17**
The wheelchair is heavy to manoeuvre	• The main wheel hubs might be incorrectly mounted. • Clean the front castors and forks for dirt. • Too much weight over the front castors (Adjust the point of balance by moving the main wheels back).	**8.6**
The wheelchair is hard to turn	• Control that the front castors are not fixed too tight. • Adjust the angle of the bearing house. • Too much weight over the front castors adjust the point of balance.	**8.4** **8.5**
The front castors are wobbling	• The front castors are not fixed properly. • Check that the front forks are fitted in the same height. • The angle of the bearing house might not be 90°. • Too much weight over the front castors adjust the point of balance.	**8.4** **8.4** **8.3** **8.5**
The main wheels are difficult to take off and put on	• Clean and grease the quick release. • Adjust the length of the hub bushing.	**8.6**
The brakes are not functioning well	• Check the wheels and the distance to the brakes. • Adjust the brake.	**8.17**
The wheelchair feels "shaky"	• Check screws and adjustment points in general.	

Please contact your dealer for information about authorized service facilities that can give support if solution is not reached in this form.

When in need of spare parts, please contact your dealer.

When making changes affecting frame construction, contact dealer / manufacturer for confirmation.

TROUBLESHOOTING EL FUNCTIONS

General

If an actuator is not responding when pressing the remote control panel:

- Check that all contacts to the actuator are securely in position.
- Check that the Key lock function is not active. The red indicator LED next to battery LED indicator on the remote control, lights up when the key lock is active. **To unlock**: press both channel buttons at the same time for 3 seconds until the alert indicator LED is switched off (See also pg 20).
- Set the wheelchair to charge. It will increase the actuator performance if the control box is low on battery.
- If a leg support is not working, pull out the leg support connector plug from the control box, and try another outlet to see if the new outlet makes it work.
- If the leg support is working now, something is either wrong with the outlet in the control box or the hand held remote control panel. Try with a new remote control. You can also try using another actuator in the outlet for the leg support to confirm that the outlet is broken.
- If the above listed actions does not lead to actuator function, remove the leg support and pull out the plug for the leg support actuator from the contact bracket attached to the seat frame. Test it in another outlet directly in the control box, or in the contact bracket on the opposite side.
- If it now works, the cable going from the control box to the contact bracket is defect, and should be replaced with a new one. If the actuator is not working in any other outlets, it is defect and should be returned to the supplier for replacement.

The procedure above is to be followed for all the actuators.

Troubleshooting for Netti electrical equipment

Symptom	Possible cause	Action to be taken
No engine sound or movement of piston rod	Actuator is not connected to control box	Plug the actuator to another outlet in the control box
	Fuse in control box has blown	Change the fuse (contact dealer)
	Cable is damaged	Send actuator to dealer for repair
Engine is working but no movement of piston rod	Toothed wheel or spindle is damaged	Send actuator to dealer for repair
Engine sound but no movement of piston rod		Send actuator to dealer for repair
Actuator moves too slow or has low yield	Too low power supply	Recharge battery
	Voltage drop in cable	Send actuator to dealer for repair
Piston rod goes in but doesn't come out	Safety nut has become operative	Send actuator to dealer for repair
Too much power consumption		Send actuator to dealer for repair
Acoustic alarm	Low battery voltage	Charge the batteries

14. TESTS & WARRANTY

14.1 TESTS

Netti III and Netti III HD are tested and have been approved for usage both indoors and outdoors. The chairs are CE marked.

MAXIMUM USER WEIGHT:
160 kg for Netti III EL
with seat width 350 – 600 mm.

It is tested by
TÜV SÜD Product Service GmbH
according to DIN EN 12183:2014.

Netti III El is crash tested at TASS International Netherlands and examined by TÜV Rheinland according to ISO 7176-19: 2008 and is approved for being used as a seat in a vehicle.

MAXIMUM USER WEIGHT WHEN USED AS CHAIR IN A CAR:
160 kg for Netti III EL
with seat width 350 – 600 mm.

Netti seating system is tested for fire resistance according to: EN 1021-2:2014.

14.2 WARRANTY

Alu Rehab is providing you with a 5-year warranty on all frame components and on the cross-tube assembly. There is a 2-year warranty on all other CE labelled components except batteries. For batteries a 6-month warranty is provided.

Alu Rehab is not responsible for any damage resulting from inappropriate or unprofessional installation and / or repairs, neglect, wear, from changes in wheelchair assemblies or instructions not approved by Alu Rehab or by use of spare parts delivered or produced by third parties. In such cases, this warranty shall be considered null and void.

This warranty is only valid when the user use, maintain and handle the wheelchairs as described in this user manual.

14.3 CLAIM

If a product has developed a fault during the warranty period as result of a defect in design or manufacturing, you may forward a warranty claim.

- Claims are to be forwarded as soon as a defect is discovered and not later than 2 weeks after the defect is discovered.
- Claims are to be addressed to the sales agent of the wheelchair. Please note that sales documentation has to be filled in and signed correctly with serial number and eventual NeC number in order to document time and place of the purchase of the wheelchair.
- The sales agent and Alu Rehab are to decide whether a defect is covered by this warranty. The claimer will be informed about the decision as soon as possible.
- If the claim is accepted, the sales agent and Alu Rehab representative are to decide if the product will be repaired, replaced or if the customer is entitled to a reduced price.
- If a warranty claim is judged to be invalid – after careful inspection of the defect (defect due to wrong use and / or lack of required maintenance) you are free to decide if you want to have the product repaired (if possible) at your expense, or if you want to purchase a new product.

Normal wear, incorrect use or incorrect handling is not a reason for claims.

14.4 NETTI CUSTOMIZED / INDIVIDUAL ADAPTATIONS

Netti Customized / individual adaptations are defined as all adjustments that are not included in this manual. Individual adaptations made by Alu Rehab are labelled with a unique NeC number for identification.

Wheelchairs that are especially adjusted / adapted by the customer cannot keep the CE mark given by Alu Rehab A.S Norway. If the adjustments are performed by other than Alu Rehabs approved dealers, the warranty given by Alu Rehab A.S Norway will not be valid.

If any uncertainty about special fitting and adaptations, please contact Alu Rehab A.S.

If you have different needs than what our standard wheelchair program can cover, please contact customer service for eventually special adjustments or Netti Customized solutions.

14.5 COMBINATIONS WITH OTHER PRODUCTS

Combinations of Netti and other products not manufactured by Alu Rehab A.S:
Generally in these cases, the CE mark of all the products involved will not be valid.
However, Alu Rehab A.S has made combination agreements with some manufacturers about some combinations. By these combinations the CE mark and warranties are valid.

For further information, please contact your dealer or Alu Rehab A.S Norway directly.

PRODUCT RESPONSIBILITY

Netti III El with different configurations of Netti equipment has been tested /risk evaluated by Alu Rehab.
Any alterations or substitutions must not be made to the wheelchair securement points or to structural and frame parts without consulting the wheelchair manufacturer Alu Rehab.
Substitutions or alterations of components from third part suppliers to Netti III El requires the risk evaluation and acceptance of the product responsibility and safety for use of the wheelchair from the manufacturer that is performing the substitution or alteration.

14.6 SERVICE AND REPAIR

Information about service and repair services in your area, please contact your local dealer.

A unique identification number / serial number is to be found on the crossbar on the wheel frame on left side of the chair.

A spare part catalogue for the wheelchair can be obtained through your local dealer or downloaded at www.My-Netti.com

A refurbishment manual for the wheelchair can be obtained through your local dealer or downloaded at www.My-Netti.com

Information on product safety notices and product recalls are available at www.My-Netti.com

A recycling manual for the wheelchair can be obtained through your local dealer or downloaded at www.My-Netti.com

15. MEASUREMENTS & WEIGHTS

Size*	Seat depth Standard**	Back height *** (Extender)	Total width	Weight
350 mm	400 – 500 mm	500 (600) mm	590 mm	31,0 kg
380 mm	400 – 500 mm	500 (600) mm	620 mm	31,6 kg
400 mm	400 – 500 mm	500 (600) mm	640 mm	32,0 kg
430 mm	400 – 500 mm	500 (600) mm	670 mm	32,6 kg
450 mm	400 – 500 mm	500 (600) mm	690 mm	33,0 kg
500 mm	400 – 500 mm	500 (600) mm	740 mm	34,0kg
550 mm	400 – 500 mm	500 (600) mm	790 mm	36,5 kg
600 mm	400 – 500 mm	500 (600) mm	840 mm	39,0 kg

* Measured between edges of frame tubes.
For distance between skirt guards add 25 mm.
** Measured from front of seat plate to back rest hinge without cushion.
Using standard Uno back rest cushion subtract approximately 30 mm.
*** Measured from seat plate to top of back rest cushion.

The weight is including main wheels, front castors, foot supports and arm supports. No cushion.

Recommended inflation pressure using air tyres is: 40 – 45 PSI.

Max user weight is 160 kg for Netti III EL seat width 350 – 600 mm.
When used as chair in a car: Max user weight 160 kg.

When mounting accessories such as power kit etc. the weight of the accessories must be subtracted from the max user weight.

Dealer:	
Frame number.:	
Date:	
Stamp:	

inspire joy of life

MEYRA® GROUP

MEYRA® NETTI

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