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Lightweight wheelchairs

Model-Family 1.7xx
Model-Family 1.8xx

Operating manual

CE

MEYRA®
We move people.

Contents

INTRODUCTION

We thank you for the confidence you have placed in our company by choosing a wheelchair from this series.

The model of your selection, fulfils the wish for mobility and more independence by way of a new styling of the proven MEYRA technology.

With all equipment and their accessories the wheelchair offers die respective adaptation to your disability.

Like any other vehicle, a wheelchair is a technical aid. It is subject to explanations, requires regular care and can cause danger when used improperly. The correct handling must therefore be learned. This operating manual is to help you get accustomed to the handling of the wheelchair as well as to prevent accidents.

☞ **Note:**
Please note that the illustrated equipment variants can deviate from your model.

We have therefore also listed chapters with options that might not be applicable for your individual wheelchair.

Attention:
! Read and observe the following documentation belonging to the wheelchair before first operation:

– this operating manual,

– the safety and general handling instructions < *Mechanical and muscle powered wheelchairs* >.

☞ **Note:**
Children and juveniles should read the documentation belonging to the wheelchair together with their parents respectively a supervisor or an accompanying person before first use.

For users with visual impairments the PDF-files of the above mentioned documents can be accessed on our website < *www.meyra.com* >.

☞ Contact your specialist dealer when required.

Alternatively users with visual impairments can have the documentation read out by a helper.

LIST OF MODELS

This operating manual applies to the following models:

Model-Family 1.7xx

Model 1.750
Model 1.760

Model-Family 1.8xx

Model 1.840
Model 1.850

INDICATIONS

If the following indications occur we recommend the application of this mobility product:

Walking disability resp. extremely limited walking ability as part of the basic need to move around in your own home.

The need to be able to leave home for a short walk in fresh air or in order to reach the places, commonly in the perimeter of the home, required to fulfil basic needs.

ACCEPTANCE

All products are checked for faults in the factory and packed in special boxes.

☞ **Note:**
However, we request that you check the vehicle for possible transport damage immediately on receipt – preferably in the presence of the carrier.

☞ **Note:**
The packaging of the wheelchair should be stored for a further transport that might become necessary.

SPECIFICATIONS

The wheelchair of the *lightweight-family*, was developed for adults and adolescents.

The wheelchair solely serves to transport one person in the seat and not as a hauling aid, transporter or similar.

USE

Through its constructive advantages the wheelchair can universally be implemented on level, firm surfaces and is therefore an all-round-wheelchair:

– for indoors (e.g. apartment, day care),
– outdoors (e.g. in parks),
– as a companion on tours (e.g. in a bus or train).

The wheelchair offers manifold adjustment possibilities to individual vital statistics.

The wheelchair should be adapted to your needs by a specialist dealer before the first use. The adaptation will take into account the driving experience, the physical limits of the user and the main place of use of the wheelchair.

Attention:
! Always have adaptation and adjustment work carried out by a specialist dealer.

ADJUSTMENT

The specialist workshop will hand out the wheelchair to you under consideration of all relevant safety instructions, ready for operation and adjusted to your needs.

☞ **Note:**
We recommend a regular control if the wheelchair adjustment in order to ensure a long-term optimal provision even with changing illness/handicap patterns of the user.

☞ We recommend regular medical exams in order to ensure safety for active participation in traffic.

☞ Retrospective adjustments should be carried out solely by the specialist dealer!

REINSTALLMENT

The wheelchair is suited for reinstallment.
With the building block system the wheelchair can be fit to accommodate different handicaps body sizes.

LIFE SPAN

We expect an average life span of about 4 years for this product, as far as the product is applied for its designated purpose and all maintenance and service guidelines.

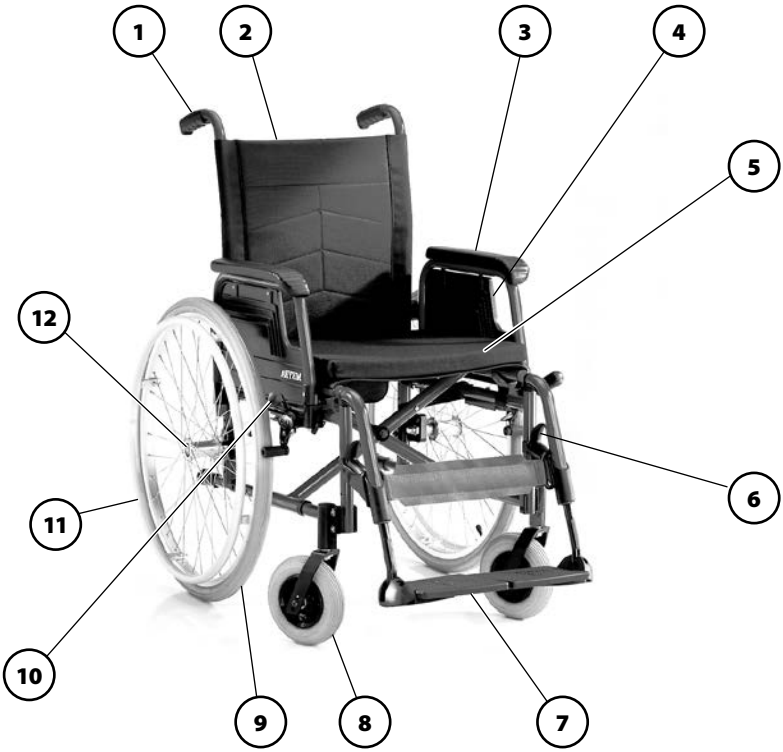
The life span of your product depends upon the frequency of use, the application environment and care.

The implementation of spare parts can prolong the life span of the product. As a rule spare parts are available up to 5 years after production is discontinued.

☞ The indicated lifespan does not constitute additional guarantee.

OVERVIEW

The overview shows, representative for all models, the most important components of the wheelchair.



Pos. Description

(1) Push handle

(2) Back support

(3) Arm support

(4) Clothes guard

(5) Seat belt/seat cushion

(6) Locking lever – Leg support

(7) Footboard/footplates divided

(8) Steering wheel

(9) Driving wheel

(10) Brake lever – pressure brake

(11) Handrims

(12) Locking knob – Quick release axle

BRAKE

By locking the brakes with the brake lever (1), the wheelchair is secured against rolling away unintentionally (parking brake).

Depending on the version, the wheelchair can be equipped with pressure brakes (2) or with drum brakes (3).

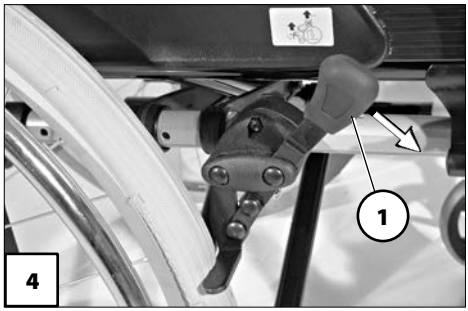
☞ **Note:**
Therefore observe the *Maintenance schedule* on page 29 as well as safety and general handling instructions < *Mechanical and muscle powered wheelchairs* > chapters < *General safety information* > and < *Brakes* >.

Attention:
! Arrange an immediate repair of the brakes by your specialist workshop if the braking performance reduces.

Pressure brake - user

Locking the brakes

To secure the wheelchair against any unintentional rolling, press both brake levers forward all the way [4].



☞ **Note:**
It should not be possible to push the wheelchair forward when both brakes are locked.

Releasing the brakes

Pull both brake levers back all the way [2].

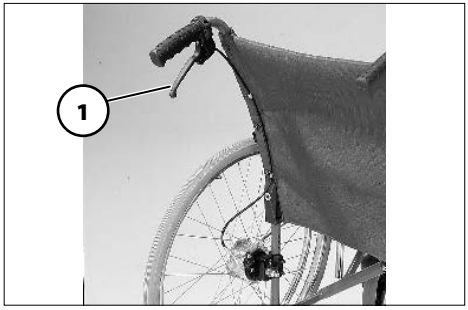
Service brake

The wheelchair is braked down with help of the handrims.

☞ **Note:**
If needed use suitable gloves in order to brake down the wheelchair.

Drum brake for accompanying persons

The drum brake is activated by the accompanying person through the brake levers (1).



Function as operating brakes

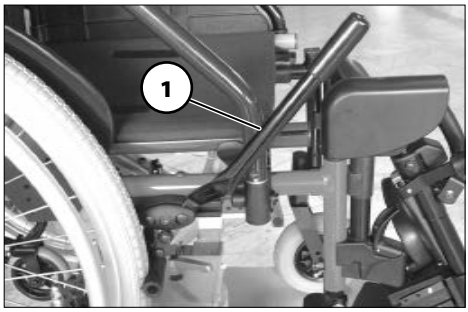
Pull both brake levers evenly and only lightly in order to achieve a controlled deceleration of the wheelchair.

Activating/releasing the drum brakes

For activating/releasing the drumbrakes observe the safety and general handling instructions < *Mechanical and muscle powered wheelchairs* > chapter < *Drum brake* >.

Brake lever extension

The brake lever extensions multiply the applied brake force and reduce the force you need to apply in order to lock the brakes (1).



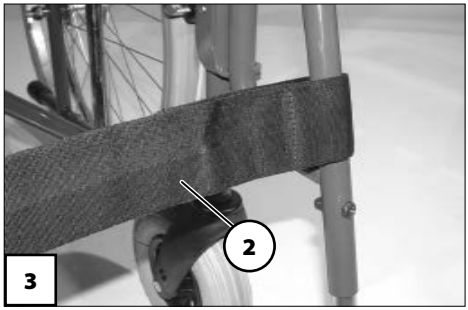
Attention:

! Do not use the grips of the brake lever as support!

- Do not pull off the brake lever extension whilst in motion. – Accidents could result if the brake lever extension is drawn too much!

CALF BELT

The calf belt (2) prevents the feet from sliding off the back of the footplates. It is passed through the upper parts of the leg supports [3] or around special holding tongues [4] and adjusted to the appropriate length by means of Velcro fastenings.



Attention:

! Never drive without calf belt (except when scutteling)! – The calf belt is omitted for height adjustable leg supports and is replaced by a calf pad.

LEG SUPPORTS

Attention:

! Before any actions on the leg supports the wheelchair is to be secured against unintentional rolling motions. – View chapter *Brake* on page 9

Folding up the footplates

The footplates are to be folded up for entry into, exiting the wheelchair or "scuttling" (the forward motion of the wheelchair with the feet) [2].

– Remove lower calf belt, if present.

– Fold both footplates up toward the side [2].

☞ **Note:**
The footplates are to be lowered again before starting to drive.

Footboard

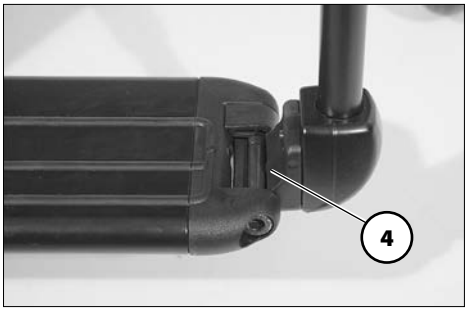
The feet can be placed close together on the continuous footboard [3] for a stable and safe sitting position.

Folding up the footboard

For an unobstructed foot area, fold up the left side of the footboard to the right as far as it will go.

Folding down the footboard

Therefore fold down the left side of the foot board until it rests on the foot board holder (4).



Turning the leg supports to the side

For easy transfer out of/into the wheelchair as well as driving closer to a closet, bed or bathtub the leg supports can be swivelled away toward the in-/outside [1].

– Therefore pull or press the respective locking lever (2) and swivel the corresponding leg support inward/outward.

☞ **Note:**
Before swivelling the leg supports outward/inward loosen or remove the calf belt on one side.

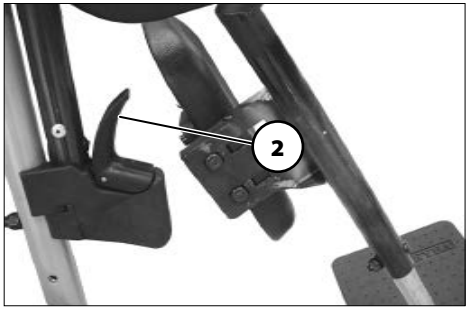
Attention:

! Leg supports turned to the side are released automatically and can easily come off. Note this when handling (e.g. transport).

- When swivelling them back make sure that the leg support audibly locks into place.

☞ **Note:**
After swivelling in the leg supports audibly check the secure hold of the locking device.

Afterwards reattach the calf belt, if available.



Removing the leg supports

For easy transfer into and out of the wheelchair as well as a reduced wheelchair length (important for transport) the leg supports can be removed [1].

1. Loosen or remove the calf belt, if available, on one side.
2. Pull or press the locking lever backward (2).
3. Swivel the leg support sideways and take them off toward the top [1].

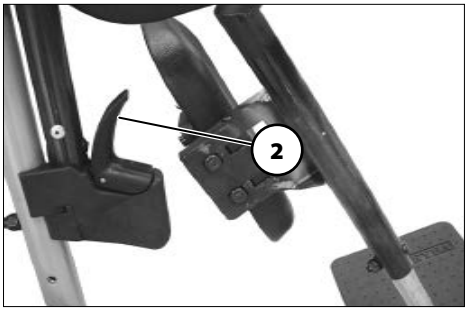
Attaching the leg supports

Press the leg supports, swivelled to the side, parallel to the front frame tube and lower it into place. – In doing so the holding pin must slide into the frame tube.

Afterwards swivel the leg support forward until it audibly locks into place [3].

☞ **Note:**
After swivelling the leg support inward again do not forget to check the corresponding locking device.

Afterwards reattach the calf belt, if available.

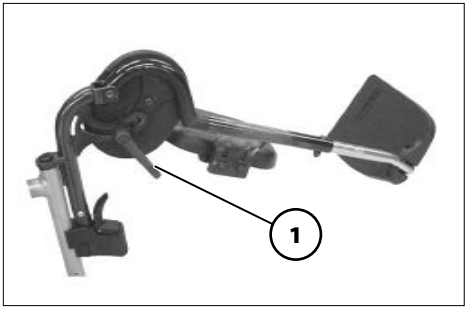


Height adjustment of the leg support

Attention:

! Never put the free hand into the adjustment mechanism while adjusting the height adjustable leg support. – Danger of crushing!

1. Have the leg support secured by an accompanying person against unintentionally falling down.
2. Loosen the clamping lever (1) and adjust the leg support to the desired height.
3. After the adjustment retighten the clamping lever (1).



ARM SUPPORTS

The arm supports [1] can (depending on the model) be removed, are height adjustable [2] and at the same time serve as a padded arm support, clothes guard and wind breaker.

Attention:

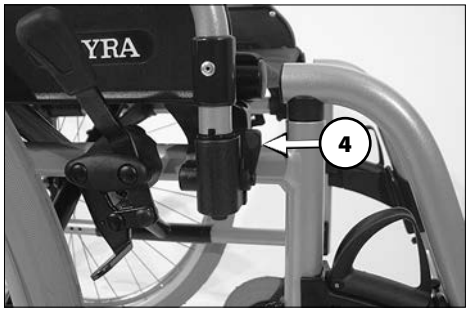
! No not grab between the frame and arm support. – Danger of squashing!

- Do not lift the wheelchair using the arm supports.
- The wheelchair should only be used with the arm supports assembled!
- When being pushed in the wheelchair by the accompanying person the user has to keep his hands on the arm supports or in his lap and not at the sides between body and arm support.
  – Danger of squashing the fingers!

Removing the arm support

In order to remove the arm support [3] you need to first lift up the locking lever (4).

Afterwards swivel the arm support back and up and then remove it toward the top [3].



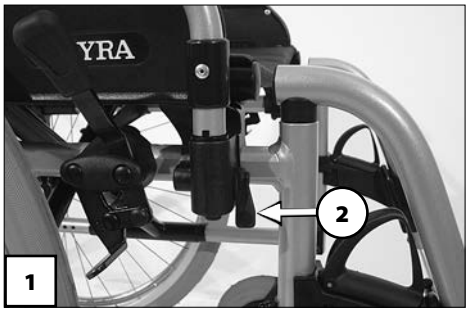
Inserting the arm support

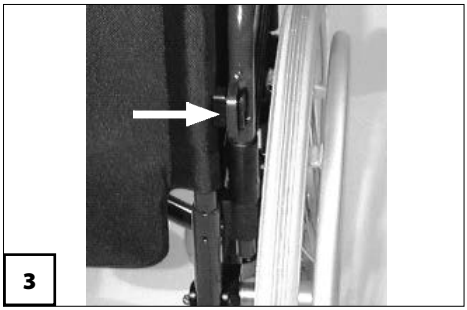
According to model and design:

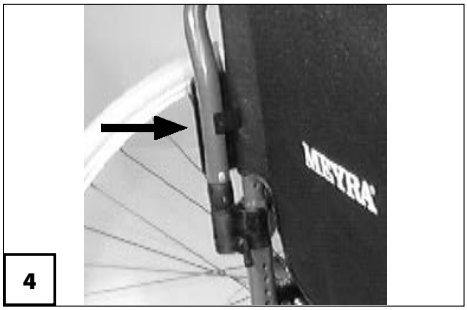
First insert the arm support beside the seat surface from the top into the guide [1].

Then press the arm support down and lower the locking lever (2).

☞ **Note:**
The rear fitting hook [3] or tube of the arm support [4] has to lie in the guide groove on the back.







Swivelling up the arm support

For transfer out of/into the wheelchair the arm support can be swivelled upward as well as folded behind the back support [1].

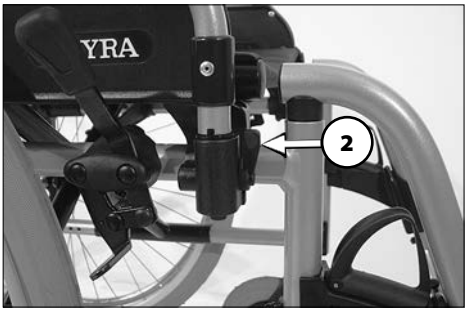
– Fold up the locking lever (2) in order to swivel the arm support upward.

– Afterwards swivel the arm support toward the back.

or

– Afterwards swivel the arm support about 90° toward the outside (3) and fold it up behind the back support [1].

☞ **Note:**
On the smaller back belt heights the arm support cannot be folded behind the back.



Height adjustable arm supports

The padded arm supports are height adjustable in 7 steps of 10.5 cm each [1].

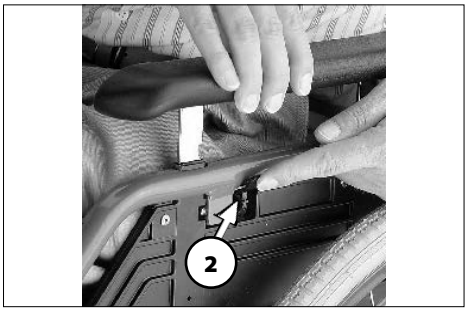
Height adjustment Code 81:

– Pull the padded arm support up to the desired height [1].
– To lower the padded arm support, pull the locking lever (2) over to the top.
– Push the arm support down to the required height.
– For locking, swivel the lever (2) back down.

Height adjustment Code 107:

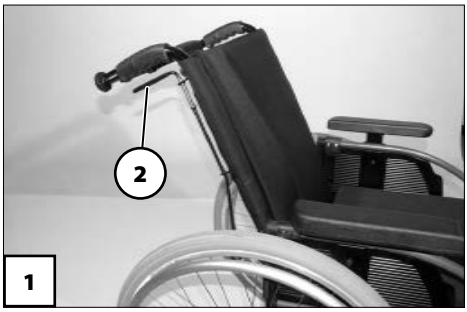
1. Hold onto the padded arm support with one hand.
2. To lift or lower the padded arm support press the locking button (3) down with the other hand.
3. Then slide the padded arm support to the desired height and release the locking button (3).
4. Afterwards slide the padded arm support again until it audibly locks into place (3).

   ☞ Check the locking device by trying to pull or push the padded arm support.



BACK SUPPORT

On some models we offer angle adjustable back supports [1].



Back support with angle adjustment 30°

The back support can be reclined in three positions of each 10°.

1. Pull both levers (2) up and adjust the back support to the desired angle.
2. After the adjustment release both levers and let the back support lock into place.

Attention:

! After the adjustment make sure that the back support has locked into place. – Danger of injury!

PUSH HANDLES

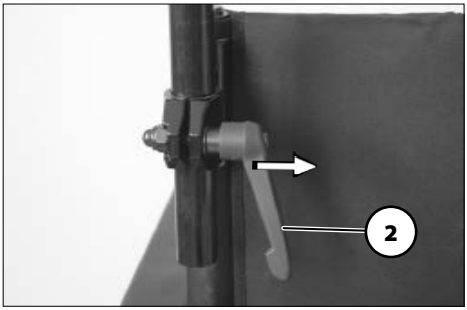
The height adjustable push handles are about 30 cm continuously height adjustable, turnable in steps of 30° and secured against being pulled out [1].

Push handles with clamping device

☞ In doing so, hold onto the push handle that is to be adjusted with one hand.

Height adjustment:

Loosen the clamping screw with the handwheel or clamping lever (2) so far that the respective push handle can be adjusted into the desired position.

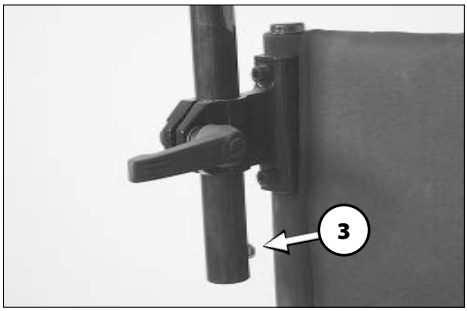


Angle adjustment:

In order to turn the push handles, loosen the clamping screws with the handwheel or clamping lever (2) or pull out the push handle and reinsert it in the desired position.

Extracting/inserting:

1. Press down the respective spring button (3) in order to extract or insert the push handles.
2. Afterwards retighten the clamping screw with the handwheel or clamping lever (2).



Special features of the clamping lever

The clamping lever (2) can be turned into an operation position that is comfortable for you.

For this pull the clamping lever (2) outward (direction of the arrow), until the teething is released.

After turning the clamping lever (2) let the teething snap back into place.

Height adjustable push handles with tube guide

The push handles [1] are guided swivel-proof inside the back tube and steplessly height by up to 10 cm.

Height adjustment:

☞ In doing so, hold onto the push handle that is to be adjusted with one hand.

1. Swivel the respective clamping lever (2) with one hand into the horizontal position.

2. Adjust the push handle to the desired height and clamp it tight.

   ☞ For this swivel the clamping lever downward (1).

Attention:

! After each adjustment the secure fit of the push handles is to be checked with a pull-/push test!

☞ **Note:**
With the clamping lever swivelled down, the respective push handle may not let itself be moved.

WHEELS

Drive wheels

The drive wheels are mounted on a fixed axle [1] or on a quick release axle [2].

☞ **Note:**
The air pressure value for the tyres of the wheelchair can be read in the *Technical data* on page 31 or details on both sides of the tyre cover.

☞ If the drive wheels has too much sideward lag or the quick release axle does not engage, contact your specialist dealer immediately for repair.

☞ No person may be seated in the wheelchair during assembly or removal. The wheelchair should stand on a level and firm surface. Before starting the disassembly work, support the frame to prevent the wheelchair from tipping over and secure it to prevent an unwanted movement or tipping over.

Quick release axle

The driving wheels can be removed and reassembled without any tools.

– First press the locking button (3) of the quick release axle in the center of the hub.

– Afterwards remove or attach the drive wheel.

Attention:
! After inserting the drive wheel the locking button (3) must stick a couple of millimetres out of the wheel nut.

Tyre damage on pneumatic tyres

For repairing tyre damage we recommend the use of a foam cartridge that is available in speciality shops. – Afterwards look up a specialist workshop as soon as possible.

Specialities for double handrims

The wheelchair can be propelled with on hand with the double handrim [1].

Attention:

! Before each ride ensure the secure fit of the connection rod (2)!

Propelling the wheelchair

Both handrims are to be operated simultaneously to drive straight forward.
A curve can be driven by operating only one handrim.

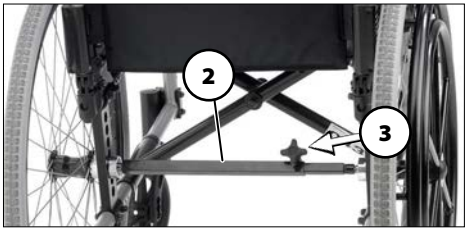
Folding/unfolding with double handrims

☞ Therefore also observe chapter *Wheelchair folding/unfolding/carrying* on page 27.

The telescopic connector tube (2) is to be removed before beginning the folding procedure.

– In order to remove the connection tube (2) the clamping screw is to be loosened through the handwheel (3).

After unfolding the wheelchair the telescopic connection tube (2) is to be replaced and the clamping screw retightened with the handwheel (3).



SUPPORT CASTORS
Code 691

To increase tilting stability each side can be equipped with one bent tubing with two small wheels which can be inserted into the lower frame tubing from the rear [1].

Support castor length

The support castors must protrude beyond the drive wheels, identically on both sides, by at least their diameter in order to have an adequate anti-tip function.

To achieve sufficient tilting stability, both support castors should be positioned parallel to each other. – Danger of accidents by overturning to the side!

Attention:

! Support castors do not provide sufficient protection against tipping over in certain situations.

Stick-in support castors

The insertable support castors can be inserted from the back into the lower frame tubes (1).

Removing/inserting the support castors

Depress the spring button (2) in order to remove/insert a support castor.

Swing-out support castors

The support castors [1] can be swivelled inward underneath the seat [2].

☞ Swivelling of the support castors can be done by an accompanying person or aid.

☞ Free foot space for the accompanying person with the support castors swung inwards.

Swinging the support castors

☞ **Note:**
This function can be performed with the foot.

Press the support castors down out of the lock then swivel them forward under the seat [2], respectively toward the back [1] until the lock engages automatically.

RETAINING STRAP

The retaining strap [3] is screwed from the back onto the respective back support tube.

☞ Handling can be found in document Safety and general handling instructions < *Mechanical and muscle powered wheelchairs* > chapter < *Retaining strap* >.

WHEELCHAIR FOLDING/ UNFOLDING/CARRYING

Without the help of tools your wheelchairs can be folded and carried in only a few steps [1].

☞ **Note:**
In document Safety and general handling instructions < *Mechanical and muscle powered wheelchairs* > observe chapter < *Wheelchair folding/unfolding/ carrying* >


1

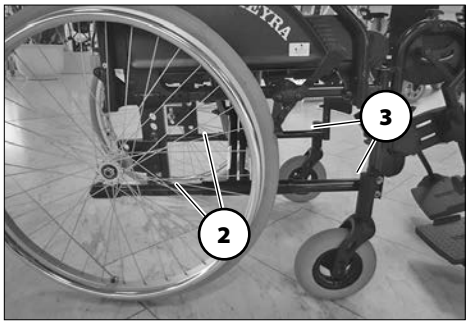
LOADING AND TRANSPORTATION

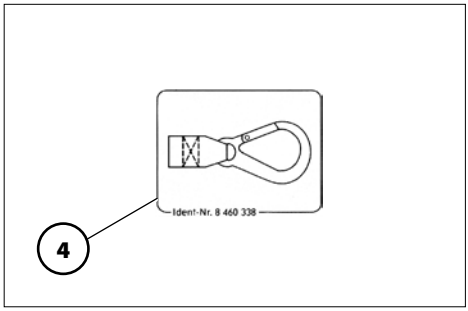
Transport security

The wheelchair is only to be secured through the four securing points (2) and (3).

☞ The anchor positions are marked with the symbol (4).

☞ The procedure for securing the wheelchair can be read in the document Safety and general handling instructions < *Mechanical and muscle powered wheelchairs* > chapter < *Transport in motor vehicles or conveyors* >.





MAINTENANCE

An incorrect or neglected cleaning and maintenance results in a limitation of the product liability.

Maintenance

The following maintenance Instruction gives you a guide for carrying out the maintenance work.

☞ They do not give information about the actual extent of work required on the vehicle.

Maintenance schedule

WHEN	WHAT	REMARK
Before starting out	**Test brakes for faultless operation** Activate brake lever to the limit. The locked wheels should not be able to turn under operating conditions. If they can still turn, the brakes must be repaired by an authorised specialist workshop.	Carry out test yourself or with a helper.
Before starting out	**Check pressure brake for wear** Move brake lever to the side	Carry out tests yourself or have a helper do it. If you notice any increasing slackness on the brake lever take the wheelchair to your specialist workshop immediately for repairs. – Danger of accident!
Before starting out (when applicable)	**Check air pressure of the tyres** Tyre filling pressure: ☞ View *Tyre pressure of pneumatic tyres* on page 31	Carry out test yourself or with a helper. Use a tyre gauge.
Before starting out	**Check tyre profile**	Carry out visual check yourself. If the tyre profile is worn down or if the tyre is damaged, consult a specialist workshop for repairs.

WHEN	WHAT	REMARK
Before starting out	**Check the back tubes and frame tubes for damages**	Carry out the test yourself or by a helper. If deformations or cracks occur in the welding seams, contact a specialist workshop immediately for repairs. – Danger of accidents!
Especially before driving in the dark (when applicable)	**Check the lighting** Check the light- and indicator signal equipment as well as reflectors for immaculate performance.	Carry out test yourself or with a helper.
Every 8 weeks (depending on frequency of use)	**Lubricate the following components with a few drops of oil** – Moving parts of the locking mechanism. – Brake lever bearings.	Do it yourself or with the aid of a helper. Components must be free from used oil residues before lubrication. Please ensure that excess oil does not contaminate the environment (e.g. your clothing).
Every 8 weeks (depending on frequency of use)	**Check all screw connections for secure fit**	Carry out test yourself or with a helper.
Every 6 months (depending on frequency of use)	**Check:** – Cleanness. – General condition.	 See Care. See Repairs.
Manufacturer recommendation: Every 12 months (depending on frequency of use)	Safety inspection – Vehicle	To be carried out by the specialist dealer.

TECHNICAL DATA

All data given in the < *Technical data* > refers to the standard version.

The overall length depends on the position and size of the drive wheels.

If not noted otherwise the dimensions are determined with drive wheels of ø 610 mm (24").

The widths were determined with a handrim distance of 15 mm.

Dimensional tolerance ±1.5 cm, ± 2°.

Short form of wheelchair dimensions:

SH = Seat height
SW = Seat width
SD = Seat depth
BH = Back support height

Calculation of the max. user weight:

Attention:

! The permissible total weight is calculated from the empty weight of the wheelchair and the maximum user-(person-) weight.

Additional weight due to subsequent additions or luggage reduce the maximum permissible passenger weight.

Example:

A driver wishes to take luggage with a weight of 5 kg. Thus, the maximum user weight is reduced by 5 kg.

Tyre pressure of pneumatic tyres

Maximum tyre pressure is printed on the tyres on each side.

Full tyre pressure – steering wheel

Standard:
2.5 - 3.5 bar = 36 - 50 psi

Full tyre pressure – drive wheel

Standard:
3.0 - 4.0 bar = 44 - 58 psi

Ultra-light running tyres:
6 bar = 87 psi

High pressure:
8 bar = 116 psi

Model: ..... 1.750 / 1.760

Type plate: ..... at the crossbrace tube
Life span: ..... 4 years

Dimensions

Overall length (with leg supports):
Model 1.750: ..... min. 1000 / max. 1040 mm
Model 1.760: ..... min. 1000 / max. 1070 mm

Length without leg supports: ..... min. 740 / max. 780 mm

Overall width:
Model 1.750: ..... min. 560 / max. 740 mm
Model 1.760: ..... min. 680 / max. 860 mm

Overall height:
on rear seat height 51.5 cm / back support height 42 cm: ..... 960 mm

Back strap height adjustable by +2.5 cm each:
Model 1.750 ..... 40 / 42 / 44 cm
Model 1.760 ..... 42 / 44 cm

Seat width:
Model 1.750 ..... 38 / 40 / 43 / 46 / 48 / 50 / 53 / 56 cm
Model 1.760 ..... 50 / 53 / 58 / 68 cm

Seat depth:
Model 1.750 ..... 40 / 43 / 46 cm
Model 1.760 ..... 43 / 46 cm

Seat height, without cushion (seat surface height at front edge):
Model 1.750 ..... 39 / 40 / 42 / 43 / 43.5 / 45 / 47 / 48.5 / 50 / 51.5 cm
Model 1.760 ..... 43 / 43.5 / 45 / 47 / 48.5 / 50 / 51.5 cm

Arm support height from seat surface: ..... 23 cm

Back support to front edge of arm support: ..... min. 28 / max. 34 cm

Seat cushion thickness: ..... 3 / 6 cm

Push handle height (only for BH 40 / 42):
Code 502 (steplessly adjustable): ..... 18 cm

Back support angle: ..... 90°

Seat inclination:
Model 1.750 / 1.760: ..... min. 0° / max. 4°
Manufacturer setting ..... 4°

Leg support angle: ..... 111°

Foot support to seat, without seat cushion (lower shank length):
with leg supports code 808: ..... min. 35 / max. 52 cm
with foot board code 54: ..... min. 35 / max. 52 cm

Wheels

Steering wheel:
ø 100 mm: ..... solid rubber
ø 125 mm: ..... solid rubber
ø 142 mm: ..... soft solid rubber
ø 178 mm (7"): ..... solid rubber
ø 178 mm (7 x 1 3/4") polyurethane foam: ..... puncture safe
ø 178 mm (7 x 1 3/4") pneumatic tyres: ..... 2.5 bar

Drive wheel:
ø 559 mm (22 x 1“) pneumatic tyres: ..... 4.0 bar
ø 610 mm (24 x 1“) pneumatic tyres: ..... 4.0 bar
ø 559 mm (22 x 1 3/8“) polyurethane foam: ..... puncture safe
ø 610 mm (24 x 1 3/8“) polyurethane foam: ..... puncture safe

Handrim diameter: ..... min. 48.5 / max. 53.5 cm

Axle:
Horizontal position: ..... min. 0 / max. 45 mm

Transport dimensions

Folding length (with leg supports):
Model 1.750: ..... min. 1000 / max. 1040 mm
Model 1.760: ..... min. 1000 / max. 1070 mm

Length without leg supports, drive wheels: ..... 610 mm
(Support castors are removed or swivelled underneath the seat)

Folding width: ..... min. 280 / max 310 mm

Folding height: ..... min. 960 mm

Permitted inclination/slopes

max. obstacle height (depending on the setting of the leg support height): ..... 0 to 100 mm
Minimal turning radius: ..... 1250 mm

max. permissible rising gradient: ..... 4.5° (8 %)
max. permissible falling gradient: ..... 4.5° (8 %)
max. permissible transverse gradient: ..... 4.5° (8 %)

static tilting safety in all directions: ..... 6° (10 %)

Climatic data:

Ambient temperature: ..... -25 °C to +50 °C
Storage temperature: ..... -40 °C to +65 °C

Weights

permissible total weight:
Model 1.750: ..... max. 146 kg
Model 1.760: ..... max. 176 kg
Model 1.760 reinforced version: ..... max. 220 kg

max. user weight (including additional load):
Model 1.750: ..... 130 kg
Model 1.750 transport in a HTV: ..... 100 kg

Model 1.760: ..... 160 kg
Model 1.760 reinforced version: ..... max. 200 kg

Max. additional loading: ..... 10 kg

Empty weight:
Model 1.750 / 1.760: ..... 16 kg
Model 1.760 reinforced version: ..... max. 22 kg

heaviest single component: ..... 10 kg
heaviest single component reinforced version: ..... 16 kg

Transport weight: ..... min. 9 kg
(without leg supports, arm supports, cushion, drive wheels

Model: ..... 1.840 / 1.850

Type plate: ..... at the crossbrace tube
Life span: ..... 4 years

Dimensions

Overall length:
with leg supports: ..... min. 1020 / max. 1090 mm
without leg supports: ..... 775 mm

☞ With the driving wheel position in the rear, the length is extended by 70 mm.

Overall width: ..... min. 560 / max. 680 mm
with arm support Code 70 / 77 / 78 / 101 / 107: ..... SW + 180 mm
with arm support Code 16 / 20 / 81 / / 82: ..... SW + 220 mm

Overall height:
Model 1.840: ..... min. 920 / max. 950 mm
Model 1.850: ..... min. 750 / max. 980 mm

Back support height each adjustable by +2.5 cm ..... 35 / 38 / 42 / 45 cm

Seat width: ..... 38 / 40 / 43 / 48 / 50 cm

Seat depth: ..... 40 / 43 / 46 cm

☞ With a seat depth of 46 cm the length is extended by 3 cm.

Seat height variable, without cushion (seat surface height at front edge):
Model 1.840: ..... min. 390 / max. 470 mm
Model 1.850: ..... min. 420 / max. 530 mm

Arm support height from seat surface: ..... 23 cm

Back support to front edge of arm support: ..... min. 28 / max. 34 cm

Seat cushion thickness: ..... 3 / 6 cm

Height of push-handles:
Code 502 (steplessly adjustable): ..... 18 cm

Back support angle: ..... 90°

Seat inclination: ..... min. 0° / max. 4°
Manufacturer setting ..... 4°

Leg support angle: ..... 111°

Foot support to seat, without seat cushion (lower shank length):
Model 1.840: ..... min. 35 / max. 46 cm
Model 1.850: ..... min. 38 / max. 52 cm

Wheels

Steering wheel:
ø 125 mm: ..... solid rubber
ø 142 mm: ..... soft solid rubber
ø 150 x 27 mm, polyurethane foam: ..... puncture safe
ø 178 mm (7 x 1 3/4") pneumatic tyres: ..... 2.5 bar
ø 203 mm (8"): ..... solid rubber

Drive wheel:
ø 559 mm (22 x 1“) pneumatic tyres: ..... 4.0 bar
ø 610 mm (24 x 1“) pneumatic tyres: ..... 4.0 bar
ø 559 mm (22 x 1 3/8“) polyurethane foam: ..... puncture safe
ø 610 mm (24 x 1 3/8“) polyurethane foam: ..... puncture safe

Handrim diameter:
Model 1.840: ..... min. 43.5 / max. 53.5 cm
Model 1.850: ..... min. 48.5 / max. 53.5 cm

Axle:
Horizontal position: ..... min. +35 / max. -35 mm

Transport dimensions

Folding length (with leg supports): ..... min. 1020 / max. 1090 mm

Folding length without leg supports, drive wheels: ..... min. 560 / max. 680 mm
(Support castors are removed or swivelled underneath the seat)

Folding width:
with arm support Code 70 / 77 / 78 / 101 / 107: ..... 280 mm
with arm support Code 16 / 20 / 81 / 82: ..... 320 mm

Folding height:
Model 1.840: ..... min. 920 / max. 950 mm
Model 1.850: ..... min. 485 / max. 535 mm

Permitted inclination/slopes

max. obstacle height (depending on the setting of the leg support height): ..... 0 to 100 mm
Minimal turning radius: ..... 1250 mm

max. permissible rising gradient: ..... 4.5° (8 %)
max. permissible falling gradient: ..... 4.5° (8 %)
max. permissible transverse gradient: ..... 4.5° (8 %)

static tilting safety in all directions: ..... 6° (10 %)

Climatic data:

Ambient temperature: ..... -25 °C to +50 °C
Storage temperature: ..... -40 °C to +65 °C

Weights

permissible total weight:
Model 1.840: ..... max. 135 kg
Model 1.850: ..... max. 165 kg

max. user weight (including additional load):
Model 1.840: ..... 120 kg
Model 1.850: ..... 150 kg

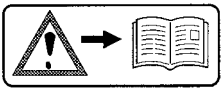
Max. additional loading: ..... 10 kg

Empty weight:
Model 1.840: ..... 15 kg
Model 1.850: ..... 15 kg

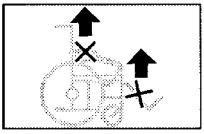
heaviest single component: ..... 9 kg

Transport weight: ..... min. 9 kg
(without leg supports, arm supports, cushion, drive wheels

Meaning of the labels on the wheelchair

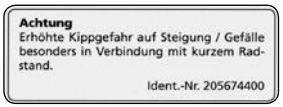


Attention!
Read the operating manuals and other provided documentation.

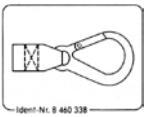


Do not lift the wheelchair at the arm supports or leg supports.
Removable parts are not suitable for carrying.

Attention
Readjust the brakes.



Attention
Increased danger of tilting when on inclinations / slopes, especially in combination with short wheel base



Attachment possibility of the transport securing system.

Meaning of the symbols on the type plate

Manufacturer

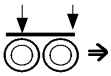
Order number

Serial number

Production date (Year – Calendar week)

Permitted user weight

max. permissible total weight



Permitted axle weights

Max. permissible rising gradient

Max. permissible falling gradient

max. ... km/h Permitted maximum speed

The product is approved as a seat within a motor vehicle

The product is **not** approved as a seat within a motor vehicle.

INSPECTION CERTIFICATE

Vehicle data:

Model:

Delivery note no.:

Serial-no.(SN):

Recommended safety inspection 1st year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 2nd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 3rd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 4th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 5th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

NOTES

WARRANTY / GUARANTEE

We accept legal liability for this product within the scope of or general terms and conditions and warranty and the guarantee according to our described quality service. For warranty and guarantee demands please contact your specialist dealer with following Warranty/Guarantee section and the there included information on model description, delivery note number with delivery date and serial number (SN).

The serial number (SN) can be read off of the type plate.

Precondition for the acceptance of liability in any case is the intended use of the product, the use of original spare parts by authorised dealers as well as maintenance and inspections in regular intervals.

Guaranty is not granted for surface damages, tyres of the wheels, damages due to loosened screws or nuts as well as worn out attachment holes due to frequent assembly work.

Furthermore, damage to the drive and electronics caused by improper cleaning using steam cleaning equipment or the deliberate or accidental flooding of the components are also excluded.

Interferences through radiation sources such as mobile phones with high transmission power, HiFi-equipment and other extreme interference radiators outside of norm specifications cannot be declared as warranty or guarantee claims.

Attention:

! Failure to observe the instructions in the operating manual, improperly carried out maintenance work and, especially, technical changes and additions (add-ons) carried out without our prior consent will lead to a general loss of guarantee and product liability.

☞ **Note:**
This operating manual as a part of the product is to be handed out in case of a change of owner.

We reserve the right to make technical improvements.

CE The product conforms with the EC Directive 93/42/EEC (MDD) for medical products.

Warrantee / Guarantee section

Please fill out! Copy if necessary and send the copy to the specialist dealer.

Warranty / Guarantee

Model designation:

Delivery note no.:

SN (view type plate):

Date of delivery:

Stamp of the specialist dealer:

Inspection certificate for transfer

Vehicle data:

Serial-no.(SN):

Model:

Delivery note no.:

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Your specialist dealer

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MEYRA 205 303 001 (Status: 2013-10)