

Gebruikershandleiding Levi Trippelstoel



msp 

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Preface

Dear user,

Thank you for choosing MSP Medical Products! We congratulate you with the purchase/granting of your Levi triple chair and wish you many years of user convenience and good health.

You will find that the Levi offers a range of possibilities to ensure that you will sit and move in a healthy and comfortable way.

It is highly recommended to carefully read this user manual to make yourself familiar with the many possibilities offered by this chair.

If you have any questions, please contact your supplier/dealer or contact us directly. We will be happy to answer your questions.

Best regards,

Team MSP

General

MSP recommends ordering spare parts via msp-medical.com at all times, as these were specifically designed and manufactured for your Triple chair Levi. This will reduce the risk of hazards and injury which could occur when using non-original parts.

MSP continuously develops and improves its products. As a consequence, we reserve the right to modify specifications without giving further notice.

The meaning of the below terms, used in this manual, is as follows:



WARNING:

If the warning is not observed, this may result in injury for yourself and/or others.



PLEASE NOTE:

If the instructions are not followed, this may lead to damage of the entire chair or parts thereof.



REMARK:

This remark is essential for the correct functioning of the chair.

Read this manual carefully

We ask you to carefully and thoroughly study this user manual before starting to use the Triple chair Levi. The information in this manual is essential for the good functioning and correct maintenance of your chair, as well as to prevent possible injuries due to improper use.

Non-original adjustments may impair the safety of your chair.

Medical Spare Parts B.V. is not responsible for any accidents, incidents or reduced lifespan as a result of this.




Intended use

The usage of the triple chair Levi must be in accordance with the intended use and the safety instructions. If there is any uncertainty, we ask you to contact us or your dealer/provider.

This facility was designed to serve as a triple/work chair and is intended as an auxiliary, predominantly for private use. This chair aims to ease the life of the user, thanks to the high /low functionality, low rolling resistance of the wheels and ergonomic design.

Assessment user

This facility is intended for users who fulfil the following recommendations:

-  The user's weight does not exceed 135 kg
-  The user's length is at least 120 cm
-  The user's feet/legs function sufficiently to move independently.

Lifespan of the chair

The lifespan of this chair is at least ten (10) years, yet depending on intensity of use, the lifespan of the gas spring and wheels may be shorter.

This lifespan is calculated, taking into consideration that the preventive maintenance will be carried out as set out in this manual.

Depending on the wear, it may so happen that certain parts, such as gas spring and wheels, as well as upholstery will need to be replaced during the lifespan of this chair.

Safety Instructions

Please find below a number of essential instructions for safe usage of your facility.

WARNING

Ensure that the brake is always on, while stepping onto and off your chair. This will prevent possible injury.

WARNING

When you are sitting in the chair and you wish to move, ensure that the armrests are up and secured.

WARNING

Never apply the chair's brake while on a slope and then lean backwards. This will cause a risk of the chair tilting backwards.

PLEASE NOTE

This facility is intended for indoor use. When using this facility outdoors, there is a chance of permanent damage to the wheels, gas spring and/or upholstery.

PLEASE NOTE

Never use sharp objects in the vicinity of your facility. This may result in damage.

PLEASE NOTE

Never carry out work activities on the triple chair Levi, unless you have the required knowledge or authorisation.

Preparations

Observe preparations below when using your chair.

First use

1. Perform a visual inspection to see if there is any transport damage on your Levi
2. Packaging must be disposed of in accordance with the applicable regulations
3. Check if all parts were delivered. You can compare them with the “Description parts” list in this user manual
4. Read this user manual carefully
5. Test whether all functions are operating as explained in the preventive maintenance schedule (POS)
6. Keep this user manual in a place that you can easily remember

Before every use



1. Check the wheels, functioning of the gas spring and the parking brake.

REMARK

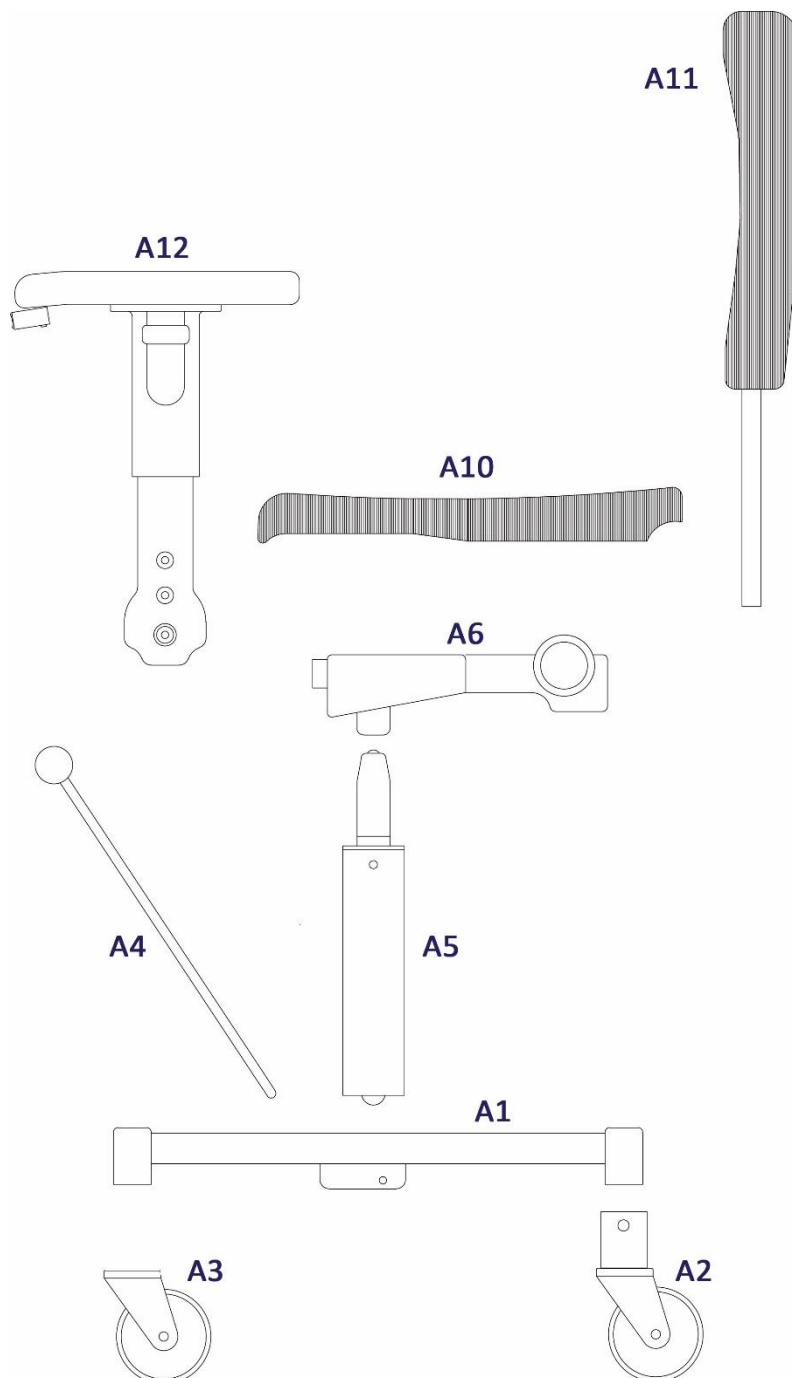
If you have any questions or are uncertain about the usage of the Levi, then contact your dealer/provider or contact us.

Description of parts delivered

The Levi packaging contains the following parts:

-  Levi triple chair
-  Folder with documents

In this *exploded view* you can identify the parts:



Description of parts delivered

Item	Article number	Description	Quantity	Remarks
A1	MSP-MT-MP-00400	Main frame	1	
A2	MSP-WH-MP-00141	Castor unbraked	2	Ø 100 mm
A3	MSP-WH-MP-00151	Castor braked	2	Ø 100 mm, centrally braked
A4	MSP-MT-MP-00410	Brake lever	1	Including ball knob
A5	MSP-GS-MP-00400	Gas spring	1	With rotation locking
A6	MSP-MT-MP-00420	Seat carrier	1	With arm carrier
A10	MSP-PD-MP-00400	Seat	1	
A11	MSP-PD-MP-00410	Backrest	1	
A12	MSP-KIT-MP-00400	Armrest	2	Complete composition

Function Description

Mechanical high/low basic setting

This setting is provided merely to adjust the Levi to your body length and must be set by your dealer/provider upon first use.

1. Unscrew the bolt M10 (SW 17).
2. Adjust the column to the desired height.
3. Please note that the seat remains straight onto the underframe.
4. Retighten the bolt applying tightening torque max. 90 Nm.



High/low function:

The Levi is mechanically height adjustable.

You can do this by moving the front lever on the right hand side upwards.

When the desired height has been reached, you move the lever back to the original position.






Operation of parking brake:

A lever was applied to the chair to operate the parking brake. If the lever is in forward position, the chair can be moved freely. When the lever is in backward position, the rear wheels are entirely blocked and you can safely step on or off.

In consultation with your dealer/provider this lever can be positioned on the left or right hand side.






Backrest angle adjustment:

-  Press the rear lever on the right hand side down
-  Bring the backrest into the correct position and move the lever up again
-  The backrest is now locked in the new position



Funcatiebeschrijving

Height adjustment backrest:

-  Unscrew the round knob counter clockwise
-  Slide the back to the desired height
-  Subsequently tighten the round knob turning it clockwise



Width adjustment armrests:

The width between the armrests can be adjusted by unscrewing the Allen bolts at the bottom of the seat.

Afterwards you can adjust the width.

Once the desired width has been reached, you must retighten the Allen bolts.





Height adjustment armrests:

The height of the armrests can be adjusted by pulling the handle on the side upwards.

Then set the armrests to the desired height and release the handle.



Folding away the armrests:

-  Fold away the armrests to make an easy sideways transfer.
-  To do this, pull up the entire armrests and fold it backwards.



Stepping in and out of your Levi chair

Make sure that the parking brake is always on before you step onto or off your triple chair, as set out on page 12 of this manual.



If you want to step onto the triple chair from a bed or a sofa, you can fold the armrests backwards to transfer sideways. How to fold away the armrests is described on the previous page.

After you are seated, you can place back the armrest. This will automatically go back to locked position.

Cleaning and disinfection instructions





For the best result, only use “MSP Medical Chemicals and MSP Medical disposables” products.

We recommend the following products for your Levi triple chair:

-  MSP Medical Chemicals All-purpose cleaner (MC-AR-001)
-  MSP Medical Chemicals Disinfectant (MC-DI-001)



We recommend the following cleaning accessories for your Levi triple chair:

-  MSP Medical Disposables Gloves (MD-HA-LX-001)
-  MSP Medical Disposables Goggles (MD-EY-CL-001)
-  MSP Medical Disposables Spray Bottle (MD-GN-BT-001)
-  MSP Medical Disposables Cleaning Cloth (MD-GN-TW-001)
-  MSP Medical Disposables Towels (MD-GN-TW-002)
-  MSP Medical Disposables Short Soft Brush (MD-GN-BR-001)
-  MSP Medical Disposables Long Soft Brush (MD-GN-BR-002)



If you have any questions about procedure below or if you wish to order the products/accessories, then please contact our customer service via +31 88 0531 000 or visit our webshop: msp-medical.com

WARNING

In order to prevent injury on eyes and skin, wear goggles and gloves at all times. In case of contact with the skin, rinse with abundant water. Should any irritation arise on the skin or eyes, then contact a GP.

Always read the user manual and Material Safety Data Sheet (MSDS) of the disinfectant.

WARNING

In order to prevent contamination, observe the steps in this user manual at all times.




PLEASE NOTE

In order to prevent damage to your Levi triple chair, use only MSP Medical Chemicals products.






Step-by-step cleaning & disinfection plan

Your Levi Triple chair is easy to maintain by use of this step-by-step plan. When you meticulously follow this procedure, the chair will always be in optimal hygienic condition.






Step 1 – Removal of visual pollution

-  Put on gloves before you start
-  Remove dust and any dirt from the Levi by filling a spray flacon with water and spray the upholstery and frame. Then take a soft brush and remove any dirt. Dry it with a cleaning cloth
-  Check if there is any dirt around the wheels (such as hairs or accumulated dust) and remove this manually


Step 2 – Use of all-purpose cleaner

-  Also put on the safety glasses (goggles) now
-  Take the MSP Medical Chemicals all-purpose cleaner in spray flacon and spray the chair entirely
-  Use the (long) soft brush and thoroughly brush the entire chair. A cleaning cloth can also be used
-  Use a new cleaning cloth and dampen it with water. Remove any cleaning residue. Optionally a spray flacon with water and dry cloth can be used to remove the residues.
-  Repeat step above until the chair is free from cleaning residue. The cloth should be frequently scoured in water.

Step 3 – Use of disinfectant





-  Use the MSP Medical Chemicals disinfectant in spray flacon and spray the chair entirely
-  Use the (long) soft brush and thoroughly brush the entire chair. A cleaning cloth can also be used
-  Use a new cleaning cloth and dampen it with water. Remove any disinfection residue. Optionally a spray flacon with water and dry cloth can be used to remove the residues.
-  Repeat step above until the chair is free from disinfection residue. The cloth should be frequently scoured in water
-  Now allow the entire chair to dry

Step 4 – Cleaning up

-  Your Levi triple chair is once again ready for use. All materials used must be disposed of/reused in accordance with the applicable recycling standards

Storage of your working chair

If you are not going to use your Levi Triple chair for a longer period of time, please observe the following:

-  Set the chair with the wheels on the floor, ensure that the seat is in highest position. This will relieve the gas spring
-  Set the backrest forward maximally, this will relieve the back adjustment spring package
-  If the Levi triple chair is not being used, the ambient temperature should be between 0°C and +30°C
-  For maximum performance, do not expose the gas spring to temperatures higher than +50°C

Preventative Maintenance Schedule (POS)

Unfortunately your Levi triple chair will be subject to wear. If you carry out the activities below at the indicated intervals, you can limit this wear to a minimum and make optimal use of the lifespan.

Activity	Before every use	Every month	Every 6 months	Every 12 months
Check braking performance	X			
Check wheels	X			
Check high/low function		X		
Check frame			X	
Check upholstery			X	
Cleaning frame and wheels		X		

WARNING

In order to avoid injury, never carry out modifications to your facility and do not make use of non-compatible parts.

WARNING

Never carry out activities on the Levi triple chair when you do not have the required knowledge or authorisations.








Annual inspection

Apart from the preventive maintenance, the proper and safe functioning of the Levi triple chair requires annual inspection.

This must be carried out by the technical service of MSP or your dealer/provider.





This inspection must at least contain the following checks:

Mechanical:

-  Check whether the frame and lifting mechanism show crack indications
-  Check all welding and bolt connections
-  Check on straightness
-  Check on other damage due to wear or external impact
-  Check on the actuation and wheels
-  Check on all slack and adjustments
-  Check on the gas spring and spring package back angle adjustment

Finally, a seating and riding test must be performed!

Unrecommended usage

-  Do not use the Levi triple chair for transport of animals and goods.
-  Do not use the Levi triple chair as a towing, pushing or hoisting tool for any application whatsoever.
-  Do not use the Levi triple chair when it has a defect or when you suspect it has a defect.
-  The Levi triple chair is equipped with a very powerful gas spring lifting system, therefore never allow children to play with the triple chair.

Troubleshooting

Below you can find a number of problems that may occur, as well as the related solution for these problems.

Description of problem	Cause	Solution
Levi goes heavy/stiff	Parking brake is activated	Deactivate the parking brake
Levi does not react to control	The chair has not been used for a long time	Manually move the chair up and down a number of times

Technical Specifications

General

Maximum total weight	167 Kg
Maximum patient weight	135 Kg
Weight of the Levi chair	32 Kg
Model and Type	Levi Triple chair
IP class	IP 40
Maximum sound pressure	60 dB Max.

Usage, Transport & Storage

Temperature	+10°C to +40°C in use -20°C to +70°C during transport -20°C to +70°C in case of storage
Humidity	15-95% at +20°C in use 10-80% at +20°C during transport 10-80% at +20°C in case of storage
Air pressure	800hPa to 1060 hPa in use 500 hPa to 1100 hPa during transport 500 hPa to 1100 hPa in case of storage

Dimensions & Adjustment range

Seat height	Minimum 42 cm Maximum 60 cm
Electrical height adjustment	N.A.
Mechanical height adjustment	140 mm
Seat depth	46 cm
Seat width	46 cm
Back height	40 cm low back 50 cm high back
Back angle adjustment	75-120°
Mechanical tend. adjustment	-4° to +12°
Wheel diameter	100 mm optional 125/150 mm
Height adjustment armrests	17-25 cm, measured from the seat. Folding away possible for sideways transfer
Length adjustment armrests	N.A.



Levi in lowest and highest position

Labels

Type no. label

Use the serial number if you contact our technical service or when ordering parts.



Print on control levers:









Backrest angle



High/low

Spare parts & Accessoires

Item	Article number	Description	Qty	from s /n	To s/n	Remarks
A1	MSP-MT-MP-00400	Main frame	1	All	All	
A2	MSP-WH-MP-00100	Castor swivel	2		24407	Ø 100 mm
	MSP-WH-MP-00141	Double castor swivel	2	24408		
A3	MSP-WH-MP-00110	Castor braked	2		24407	Ø 100 mm,
	MSP-WH-MP-00151	Double castor braked	2	24408		centrally braked
A4	MSP-MT-MP-00410	Brake handle	1	All	All	Including ball knob
A5	MSP-GS-MP-00400	Gas spring	1	All	All	With rotation locking
A6	MSP-MT-MP-00420	Seat carrier	1	All	All	With arm carrier
A10	MSP-PD-MP-00400	Seat	1	All	All	
A11	MSP-PD-MP-00410	Backrest	1	All	All	
A12	MSP-KIT-MP-00400	Armrest	2	All	All	Complete composition

-  Item: refers to the number in the *exploded views*
-  Article number: Use this number as a reference when ordering
-  Description: A short explanation of the article
-  From s /n | to s /n: Shows the first and last serial number of the facility for which this article is suitable
-  Quantity: Indicates how many times the article is used in the facility
-  Remarks: Any remarks about the article

Declaration of conformity




EC Declaration of Conformity

(according to the medical device directive MDR EU 2017/745)

We, MSP Medical Products B.V.
De Sonman 7
5066 GJ Moergestel
The Netherlands

Hereby declare that: Manually adjustable working chair
Brandname "MSP Medical products"

Type : Levi
(Further referred to as working chair)
With serial numbers MPLESD***** (* has a value between 0-9)

- Complies with MDR EU 2017/745 (medical device directive) and is classified as class 1
- The Working chair has been safety tested according to:
 -  EN 10535
 -  EN 12182
 -  Bio compatibility ISO 10993

MSP Medical Products bv is not aware of any electromagnetic influences between the Working chair and other electrical products..

Technical file compiled by L.J.M.G. Dhanpat.

The Netherlands, Moergestel, 01-10-2024



L.J.M.G. Dhanpat
Medical Spare Parts B.V.

