

## User's Manual

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# Xplore

For Xplore Small, Xplore Medium, Xplore Large



# User's Manual for Xplore

## Innhold

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*Disclaimer: Minor differences between images and real product can occur in the user manual.*



## **1. Introduction**

Congratulations on choosing Xplore, a walking aid from Made for Movement. Before using the product, we ask you to read the user manual and follow it.

## **2. What is Xplore?**

Xplore is a walking aid for people with impaired motor function. It enables the person to walk and can be used in all everyday situations where the person wants to participate.

### **2.1 Intended use**

Xplore is a walking aid for people with impaired motor function and is intended for children, young people and adults with significantly reduced or no ability to stand and walk independently. Xplore is a personal aid that is adapted to the individual user. The person who adapts and adjusts the Xplore has undergone training in the use of the product.

Xplore comes in 3 sizes and fits users in the size range 80 to 180 cm, and with a maximum body weight of 80 kg. Xplore is an aid for individual use at home, school or nursery under the supervision of a responsible person who has received training in the use of the product, for example a parent or assistant.

### **2.2 Indications**

The users of the Xplore have considerable to fully pronounced damage to the neuro-muscular system and movement-related functions of the body (muscle strength, muscle tone, endurance, coordination, function of voluntary movements, movement patterns) with impairment of activities as a result of brain disease (e.g. cerebral palsy, syndromes, trauma), damage to the spinal cord (e.g. paraplegic syndromes due to e.g. spinal trauma, spina bifida) or neuromuscular diseases (e.g. muscular dystrophies).

### **2.3 Contraindications**

The physician prescribing the Xplore is responsible for evaluating the risks and benefits, in conjunction with therapists and other caregivers, associated with the use of the product.

When assessing the use of the product, consider the following:

- Contractures
- Osteoporosis/bone fragility
- Unstable joints such as hips/knees
- Open skin wounds that may come into contact with parts of the Xplore
- Circulatory disorders
- Respiratory diseases
- Heart problems



## 2.4 Precautions

There have been no reported negative effects or side effects from using Xplore.

The risk analysis shows that users with one or more of the following conditions should consult a doctor or therapist before using the aid, to assess whether the benefits of use outweigh the risk of injury or other possible side effects:

- Severe deformities (of the spine and lower extremities) and/or severe/fixed contractures of the lower extremities, which prevent inappropriate positioning.
- Osteoporosis with previous or suspected spontaneous fractures in the lower extremities
- Circulation disorders
- Respiratory disorders
- Heart diseases
- Epilepsy with uncontrollable seizures
- Severe spasticity that prevents appropriate positioning and walking in the assistive device
- Pain

## 2.5 Training and Assistive Persons

Before using Xplore, the responsible person must have been trained in the use of the aid (in accordance with Appendix 1) by a Made for Movement representative.

The representative is usually an employee of Made for Movement, a dealer or aid broker who has completed training.

The training consists of a review of all important functions, movement, fastening, safety, use and troubleshooting as described in Appendix 1. In addition, the user manual must be read, understood, used and kept for future reference.



**Important:** The settings of the product must not be changed in any other way than described in these operating instructions. Furthermore, the product may only be adjusted by an Made for Movement representative who have been trained in the adjustment of the product.



### 3. Pre-Check

<b>What is a pre-check?</b>	Pre-check is a check performed to discover wear on important parts.
<b>Types of pre-check:</b>	<b>Daily:</b> The most important parts are checked daily before use. <b>Monthly:</b> Other wear parts are checked for wear once a month.
<b>Why to perform:</b>	To discover wear and replace worn parts before eventual part breakage.
<b>Who to perform:</b>	Trained caretakers. Only trained caretakers are allowed to check + operate the product.
<b>What to perform:</b>	The test-steps are described below.
<b>What to do if error is discovered:</b>	Contact your Made for Movement representative to agree on actions/repairs.

#### Daily Pre-check:

Daily, before use, the following shall be checked by the caretaker:

1. **Belts** – Check that all belts are intact and without visible damages and that all seems are intact.
2. **Buckles** – Check that the buckles are intact, and locks well.

#### Monthly Pre-check:

Once a month the following is to be checked by the caretaker:

1. **Belts** – Check that all belts are intact and without visible damages and that all seems are intact.
2. **Buckles** – Check that the buckles are intact, and locks well.
3. **Chest + Hip support** – Hold on to both chest supports, and then try to push, pull and rotate the supports in all directions. Repeat on the hip supports. Check that all parts sit tight.
4. **Chassis** – Apply the brake, lift up the front of the product by holding on to and raising the 2 front wheels. Try to push, pull and rotate the front axle in all directions while holding in the wheels. Check that all parts sit tight.
5. **Feet divider** – Check that the divider is intact and is tight.
6. **Wheels** – Check that the rear wheels can't move sideways on the axle more than 3mm.



Contact your Made for Movement representative if errors are discovered to agree on actions/ repairs.  
Don't use the product before this is settled.



For more tips on how to execute the pre-checks, scan the QR code and examine the Pre-check instructions given.



## 4. Warnings

### General warnings

- 1) The product must only be used under the supervision of a trained, responsible person.
- 2) Only persons who have received training in the use of the product shall use the product together with the user. See appendix 1 for more information on the content of the training.
- 3) Contraindications and precautions should always be clarified by a doctor or therapist before the product is used for the first time. Where there is a user risk due to the user's condition, the doctor or therapist should state that the benefits outweigh the risks before use.
- 4) Always carry out a daily Pre-check before use.
- 5) Always perform a monthly Pre-check to detect wear.
- 6) If deviations are detected during the Pre-check, the product must be put in order before use.
- 7) During use, some adjustment screws may unscrew slightly over time due to moving parts, adjustment parts or twisting in the product. Tighten loose screws before use.
- 8) If necessary, the product must be adjusted in relation to the user's growth and functional changes. The adjustments must only be carried out by a Made for Movement representative who is certified to do this.
- 9) The product must be adjusted, used and set up as described in this user manual.
- 10) No modification of this product is permitted. Changes can lead to dangerous situations, product breakdown and non-compliance with the certification.
- 11) Do not mount other accessories on the product. This will lead to non-compliance with the certification.
- 12) The product is an aid and must under no circumstances be used by persons for whom the product is not adapted.
- 13) The chest and lap belt must always be secured when the user is in the product. The chest and hip belts can have a looser fit during use, but cannot be removed as this is for safety reasons.
- 14) Ensure that there is always a piece of clothing between the user's skin and where the product comes into contact with the user. This will minimize the risk of wounds caused by chafing and possible allergic reactions. All materials in the product that come into contact with the user have been tested for allergies.
- 15) The product must only be used with shoes that fit the product.
- 16) Never use the product, with or without a user, if the ambient temperature exceeds the maximum temperature of 40°C. Check the surface temperature of the product before use. The temperature of the product can be affected by radiators and direct sunlight etc.
- 17) Some areas of the product have a crushing hazard due to moving or movable parts. These are marked with a pinch hazard label. Pay extra attention to these areas when the user is getting in and out of the product, and during use. Be careful and be aware of where the user places their hands, and where you, in your role as supervisor, hold the product.
- 18) Using synthetic clothing may cause a harmless static shock in the product.
- 19) Always use the product in a well-lit room, so that all labels and operating controls can be easily seen.



- 20) The product must be stored in a way that prevents people from using the product as a toy or from influencing the settings of the product.
- 21) The product must be stored in a dry room.
- 22) The product must not be used in a damp environment (shower, laundry area, etc.)
- 23) The cables, belts, straps, cords and guide belt can cause strangulation or other injuries.
- 24) Be sure to keep the product under constant supervision while in use and store it in a way that prevents unauthorized persons from accessing the product.
- 25) The product must be properly secured during transport to avoid transport damage and damage to the car's interior.
- 26) Use of this product next to or stacked with other products should be avoided as it may lead to incorrect use. If such use is necessary, this product and the other product should be observed to confirm normal operation.
- 27) The product must only be lifted in the frame, none of the other parts. Do not lift the product with the user in the product, or push down the handle with the user in the product to lift the front wheels to pass obstacles. This can break the handle.
- 28) When using a table: The table does not provide additional safety - always keep the chest strap secured when the user is in the product.
- 29) The Xplore shall never be used close to flames or open fire, as the belts and paddings are not fire-proof.

### Specific for Xplore

- 1) The product can be used both indoors and outdoors in a dry environment. Make sure that the surface is even and flat, and without obstacles, to prevent the user from falling over. All other use of the product will be at your own risk.
- 2) Do not push the Xplore's seat, column or headrest with the user in the product. Use the companion handle.
- 3) Use the safety strap (between the users legs) if the user is to use the Xplore without the seat.

### Symbols in this user manual:



This symbol indicates that the following text should be read very carefully.



This symbol indicates that the following text may provide you with some good tips.

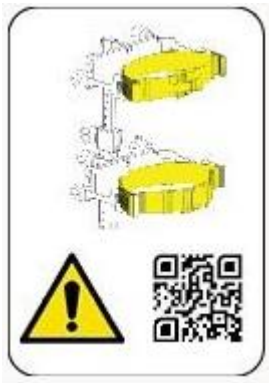


This symbol indicates potential squeeze hazard



Do not push the column of the product





Pre-check reminder label.  
Always execute daily and monthly pre-check.  
See chapter 3 for details.



Warning/users manual label. This label indicates a specific precaution to be made.  
Read the users manual for details regarding the warning.



## 5. Technical description

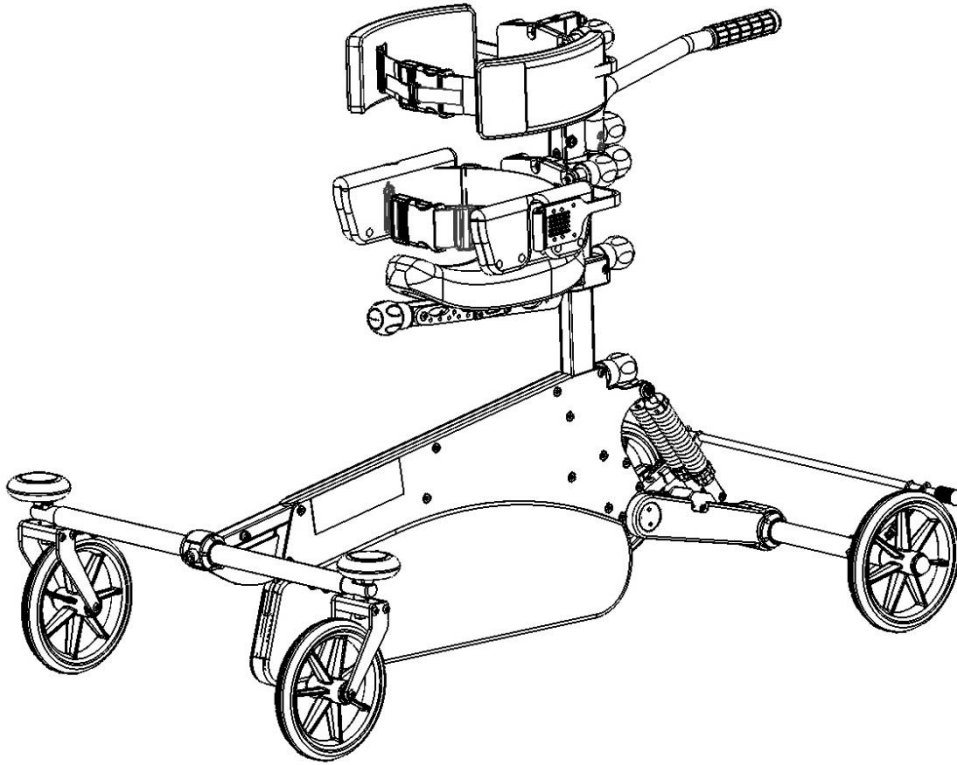


Figure 1: Xplore

Xplore is delivered in the following sizes:

Xplore Small	Recommended user height 80-120 cm, and max user weight 30 kg
Xplore Medium	Recommended user height 110-150 cm, and max user weight 50 kg
Xplore Large	Recommended user height 140-180 cm, and max user weight 80 kg

Xplore is an individually adapted aid. For ordering the product, information about the user's total height and weight is required. Individual adaptation of the aid to the user is done by a representative who has been trained in this.

### Serial number:

Each Xplore has its own unique serial number. The number is located under the frame.



## 5.1 Chassis:

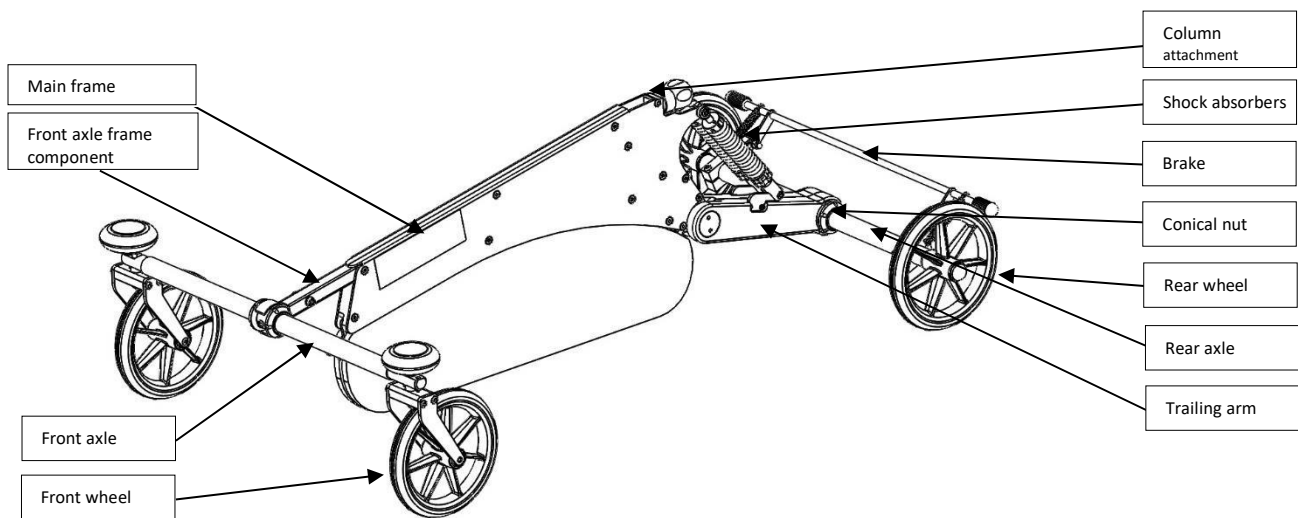


Figure 2: Xplore chassis

The chassis has an H shape. The front axle and rear axle are connected to the main frame. When a user walks in the Xplore, he/she will have one leg on each side of the main frame, between the front axle and the rear axle. The main frame between the user's legs will prevent the user from crossing their legs while using the Xplore.

The undercarriage has four wheels with a diameter of 185 mm. The rear wheels are fixed and cannot turn. The rear wheels have a brake that can be activated. The front wheels can freely rotate 360 °. The rear wheels are mounted to the rear axle, which has a fixed width. The front wheels are connected to the front axle, which has a fixed width.

The front axle is equipped with horizontal wheels. These act as wall deflectors if the user collides with furniture, walls, or the like.

If the product is to be transported, the rear axle can be dismantled from the main frame. Loosen the conical nuts and remove the axle from the main frame. A special tool for the conical nuts is supplied with the product. Please see the picture on the next page.



Figure 3: Xplore tool for the rear axle

Please read Chapter 10. This chapter explains how to disassemble and assemble the Xplore for transport.



The rear axle for the Xplore is supplied in one width. The rear axle is connected to a trailing arm which is suspended using one or two shock absorbers. The damper is delivered with a yellow spring as standard.

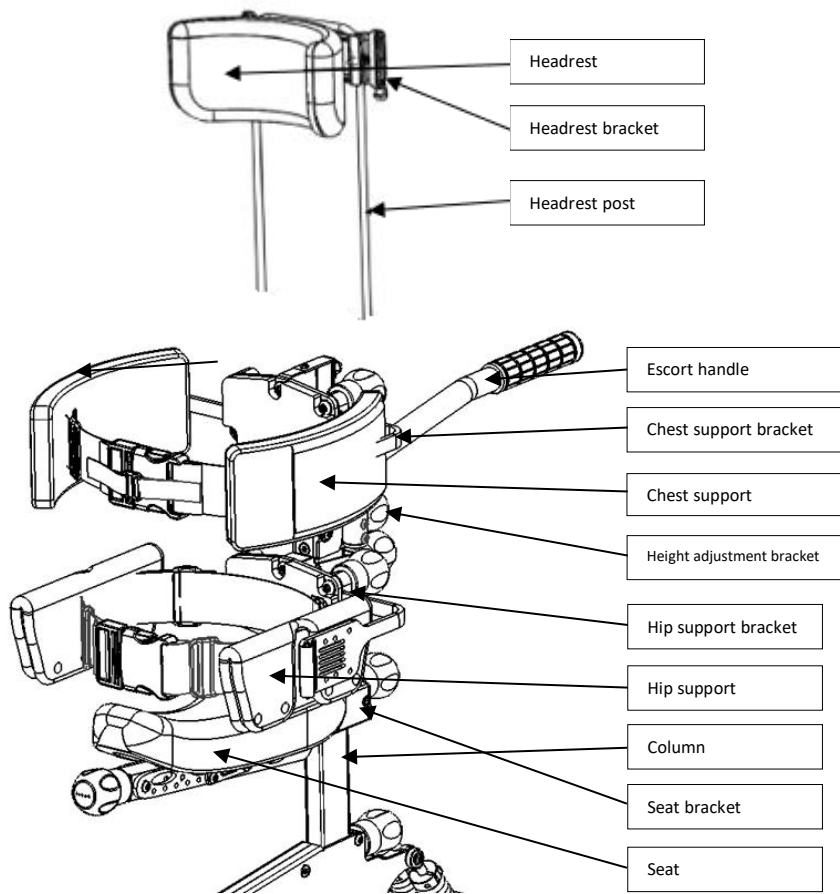
The front axle is connected by a front axle frame component that is attached to the main frame.

The main frame is the connection point for all the other parts and will absorb load generated by the user.

The column with attachments for the seat, hip, chest and head supports is placed vertically in the main frame. The height of the column is adjustable.



## 5.2 Column, seat, hip support, chest support and headrest:



**Figure 4: Xplore column with headrest and companion handle mounted**

The column consists of an upper and a lower part, where the upper part is attached to the inside of the lower part. The seat and hip support are attached to the lower column part, while the chest support is attached to the upper column part.

The lower column is fixed at the highest point of the undercarriage and goes down into the undercarriage and is held in place by a clamp with a fixing screw in front of the dampers in the undercarriage. The lower height of the column is adjusted here.

The seat is attached to the column with a seat bracket. The seat is removable and adjustable in height.

The hip support is attached to the column with a hip support bracket. The hip support can be adjusted in height and width. The hip support has two attached belts, one belt on the front of the pelvis and one on the back of the pelvis. The hip support in combination with the belts stabilize and position the user's pelvis in the aid.



The height of the upper column part is adjusted with the height adjustment bracket on the column. Companion handles can also be mounted on this bracket with a separate additional bracket. The height of the companion handle is adjusted by adjusting the height of the lower column part.

The chest support is attached to the column with a chest support bracket. The chest support can be adjusted in width and height. The chest support has two attached belts, one belt on the front of the chest and one on the back of the chest. The chest support in combination with the belts stabilize and position the user's upper body in the aid.

A head support bar can be attached to the chest support bracket. The height of the headrest can be adjusted by either adjusting the height of the headrest bracket in the chest support bracket, or by adjusting the headrest bracket vertically by loosening the screws that secure it to the headrest bracket. The head support bracket has a universal design which means that any specially adapted belts or other head supports have possible attachment points in this bracket.

The Xplore can be used without the seat if the responsible therapist/doctor assesses that this is safe. As a safety precaution a safety strap attached to the chest belt and the back of the Xplore, running between the users legs, shall be used if the seat is not used. This is to prevent the user from sliding out of the product if the user loses muscle tonus in the legs during use.

### **5.3 Correction system thigh and ankle**

If there is a need to correct the legs while walking, a correction system can be fitted to the Xplore. The correction system consists of cuffs that are attached to the thighs and/or calves and which are connected via straps to the front axle and to the u-tube that is mounted on the column.

For details on how to use this, please refer to Chapter 12.4



**Figure 5: Xplore correction system**



## 6. Adjusting the Xplore to users

Choosing the size of the Xplore is based on the person's total height and weight.

### 6.1 Checking the Xplore's measurements before delivery:

The size of the Xplore is chosen based on the user's height and weight. If the user's height and or weight are close to the recommended measurements and/or the user has large involuntary movements/spasticity, it can be assessed whether a larger size is more appropriate. Other spring setups than standard springs can also be considered. Xplore is checked for function and quality before it is delivered for final fitting.

### 6.2 Adjusting the Xplore for a user

The Xplore will be adjusted by a representative from Made For Movement, or another qualified person. Adjustments will be carried out at school, at home or at a place deemed to be most appropriate by the purchaser of the product.

#### Rough adjustments:

- The chassis is placed on a flat floor.
- The hip brace is placed at the height of the user's trochanter. Tip: Measure the length from the sole of the foot to the user's trochanter lying down. See picture below of where the trochanter is on the body.
- The width of the hip brace is placed 1-2 cm wider than the user's hip width on each side.
- The height of the seat is placed so high that the seat bracket comes into contact with the hip brace bracket on the column.
- The highest point of the chest support is placed equal to the user's length from the sole of the foot to the armpit.
- The width of the chest support is placed 1-2cm wider than the user's chest width on each side.
- Ensure that the coarsely adjusted supports and belts are securely attached. Move the user to the seat and secure the chest and lap belt. Always remember to secure the user on the seat while the belts are attached, so the user does not fall out of the product. Now the user is secured in the product and fine-tuning can be carried out.

#### Fine tuning:

- Seat:
  - The seat can now be lowered to find the desired ground contact for the user. Remember to hold both the seat's front handle and the rear fastening wheel when height is to be adjusted and have a counter-hold upwards during the adjustment so it does not use downwards. The user is additionally secured in this phase by having support under the arms.



- Hip:
  - The height of the hip brace is adjusted so that the front hip belt is placed above the hip flexor and does not hinder the user's flexion (bending) of the hip and the rear hip belt is placed approximately in the middle of the user's bottom.
  - The width of the hip braces can be adjusted outwards by the user to give more freedom of movement.
  - The lengths of the hip belts at the front and back can be loosened or tightened, so that the user's positioning can be adjusted.
  
- Chest:
  - The height of the chest support can be adjusted to the desired level depending on the need for upper body support. The higher up the chest support is, the more fixed and supported the user is in the product, and the lower the chest support is, the more freedom of movement the user has in the product. It is important that no more freedom of movement is given in the upper body than the user can handle safely.
  - The width of the chest support can be adjusted outwards from the user to give more freedom of movement.
  - The chest support must ALWAYS be used, as it is also a safety function that prevents the user from falling out of the product. If the user needs little upper body support, the chest support must ALWAYS be used, but by lowering and widening it, it can be adjusted to a level where it interferes very little with the user's freedom of movement, while ensuring safety.
  - The front and back lengths of the chest belts can be loosened or tightened, so that the user's forward or backward positioning can be adjusted.
  
- Chest-hip interaction: By adjusting the length of the chest and hip belts, the user can be positioned in the product forwards and backwards in both the chest and hip area. In this way, a user can easily straighten or tilt forward in the product.
- Additional equipment that can correct user in the product:
  - When using a headrest, this can be adjusted in the height direction for the desired level of the headrest. See chapter 12.1 Headrest for details.
  - When using the correction system for thighs and calves, see chapter 12.4 for details on how to set this.
- Fine-tuning result:
  - The correct setting of the user in the product seen from the front: User perpendicular to the ground as far as is practically possible.
  - The correct setting of the user in the product seen from the side: User perpendicular to the ground, possibly a slightly forward-tilted position (1-3 degrees)



- **Testing:** User is now positioned in Xplore. The strength of the damper's spring can be adjusted so that the user gets the most dynamic movement possible. It is recommended that the user's feet have good contact with the surface. The contact with the ground can be adjusted by adjusting the height of the column and/or the seat.



**important:** The Xplore must only be adjusted by a Made For Movement representative or another qualified person who has been trained.

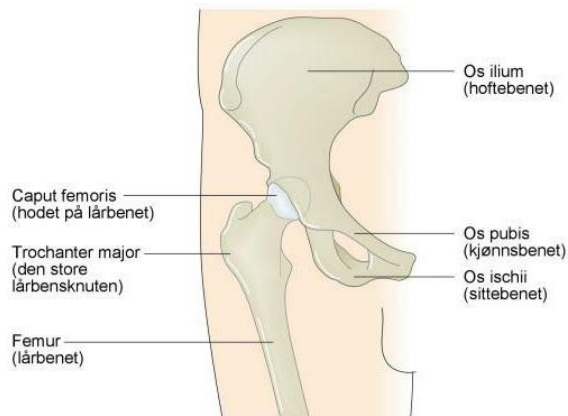


Figure 6: Illustration showing where the trochanter is located on the user's femur.



## 7. How to adjust Xplore

### 7.1 Shock absorbers

**Variants:** Xplore comes as standard with one shock absorber on Small and two shock absorber on Medium and Large.

**Shock absorber stiffness:** The correct level of the shock absorber is adjusted by a Made for Movement representative when the first adjustments are made. If there is a need to change the shock absorber stiffness, can this be adjusted as follows: loosen the locking nut by hand by turning it two to three times. If you want to increase the stiffness, turn the adjustment nut in a clockwise direction. Turning it anticlockwise will reduce the stiffness. Adjust the second shock absorber equally. Tighten the locking nut (3) against the adjustment nut after the shock absorber has been adjusted.

**Special adjustments:** for users with special needs, the springs can be replaced in order to adjust the suspension over and above the standard settings. A higher strength shock absorber is available for special adjustments. This may be relevant if the user maximizes the spring travel as a result of the user's weight and/or movement pattern, so that the bottom part of the frame touches the floor. First try to tighten the spring(s), and if this is not satisfactory, you can switch to a stronger spring.

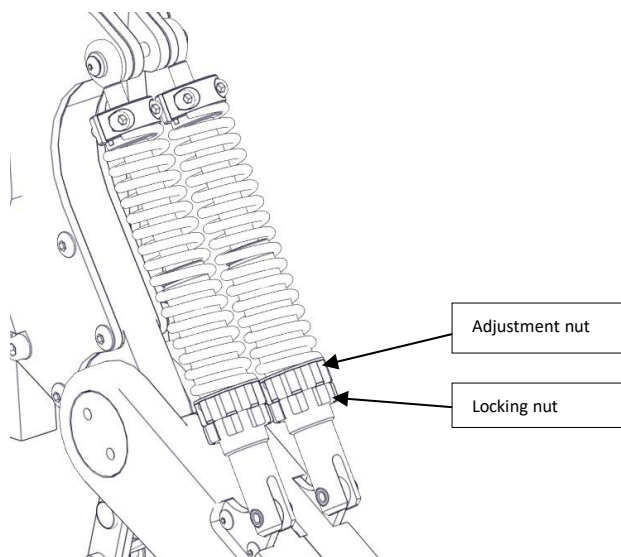


Figure 7: Double shock absorber

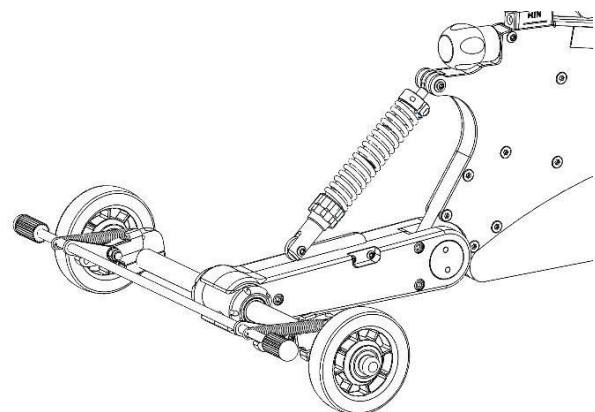


Figure 8: Single shock absorber



## 7.2 Adjusting the height of the column

Xplore comes in 3 sizes to enable use by users in the size range defined in chapter 5.

Each individual size allows a growth length of approximately 40 cm (from minimum to maximum). The size of the product is chosen based on the user's height and weight. Length adjustment is done by adjusting the column, seat, hip support and chest support height.

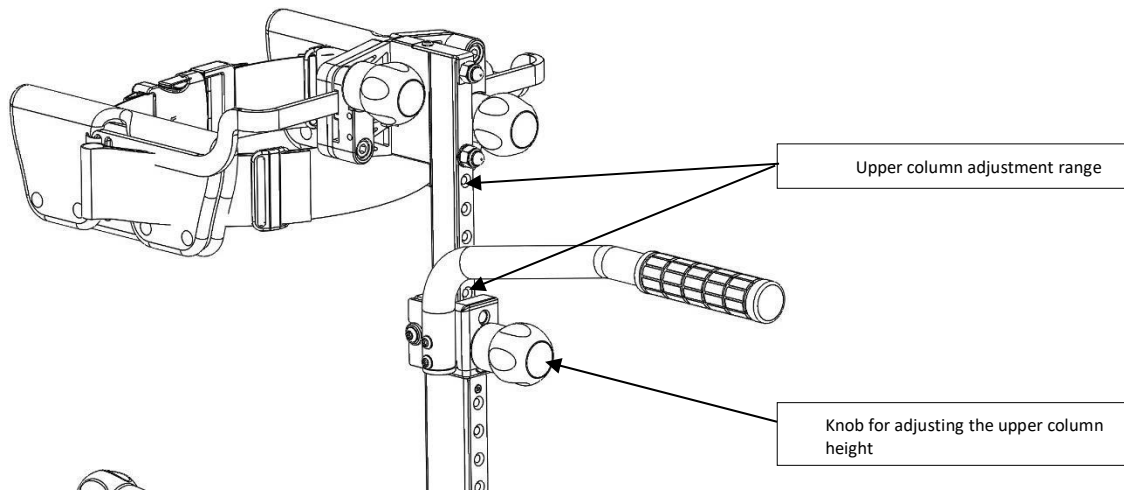


Figure 9: Xplore Upper column

Upper column height is adjusted by loosening the column height knob, sliding the columns to the desired height, and tightening the knob again. The column is marked with minimum and maximum height adjustment.

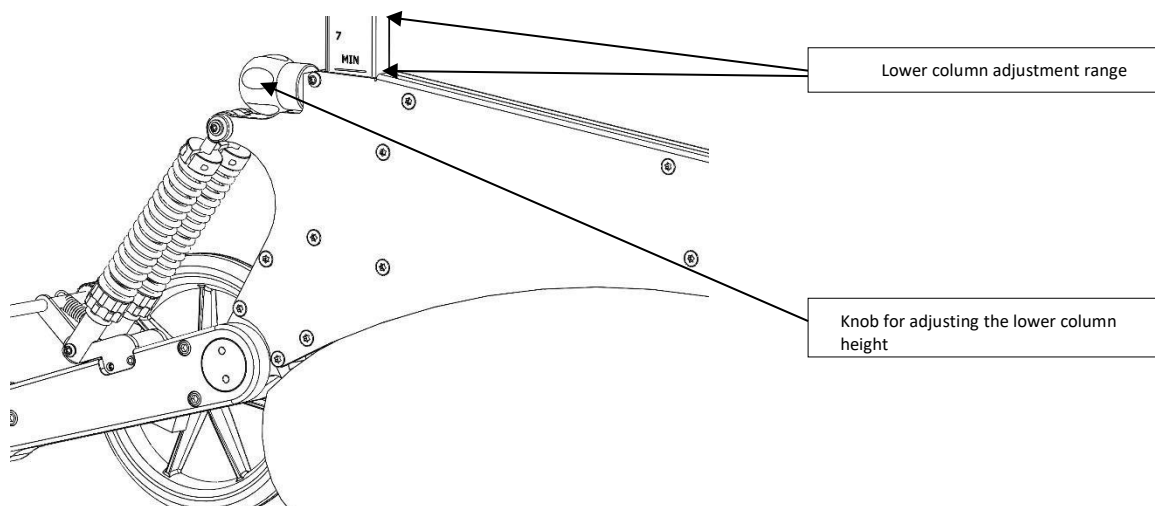


Figure 10: Xplore Lower column

The lower column height is adjusted by loosening the column height lever, sliding the columns to the desired height, and tightening the steering wheel firmly again. The column is marked with minimum and maximum height adjustment.





**Important:** Make sure the column is lowered to the minimum mark (or lower) in the frame.



**Important:** The Xplore must only be adjusted by a Made For Movement representative or another qualified person who has been trained.



**Important:** when using the cuffs and guide straps/elastic bands, and after adjusting the column, please ensure that the guide straps/bands roll freely over the rollers. If not, adjust the height of the U-bar.



**Important:** On the Small, it is supplied with two lower column parts. The shortest Small column section is used on the smallest Small users, and the longest column section is used on the tallest Small users. As the child grows, it may be necessary to switch from the shortest to the longest lower column part.



### 7.3 Adjusting the height of the chest support, hip bar and seat

The Xplore's chest support, hip bar and seat employ the same principles as those used for height adjustment. By loosening the knob which holds them in place, they can be adjusted to the desired height and then tightened again. Check that the brackets on which the knobs are mounted are securely attached to the column.

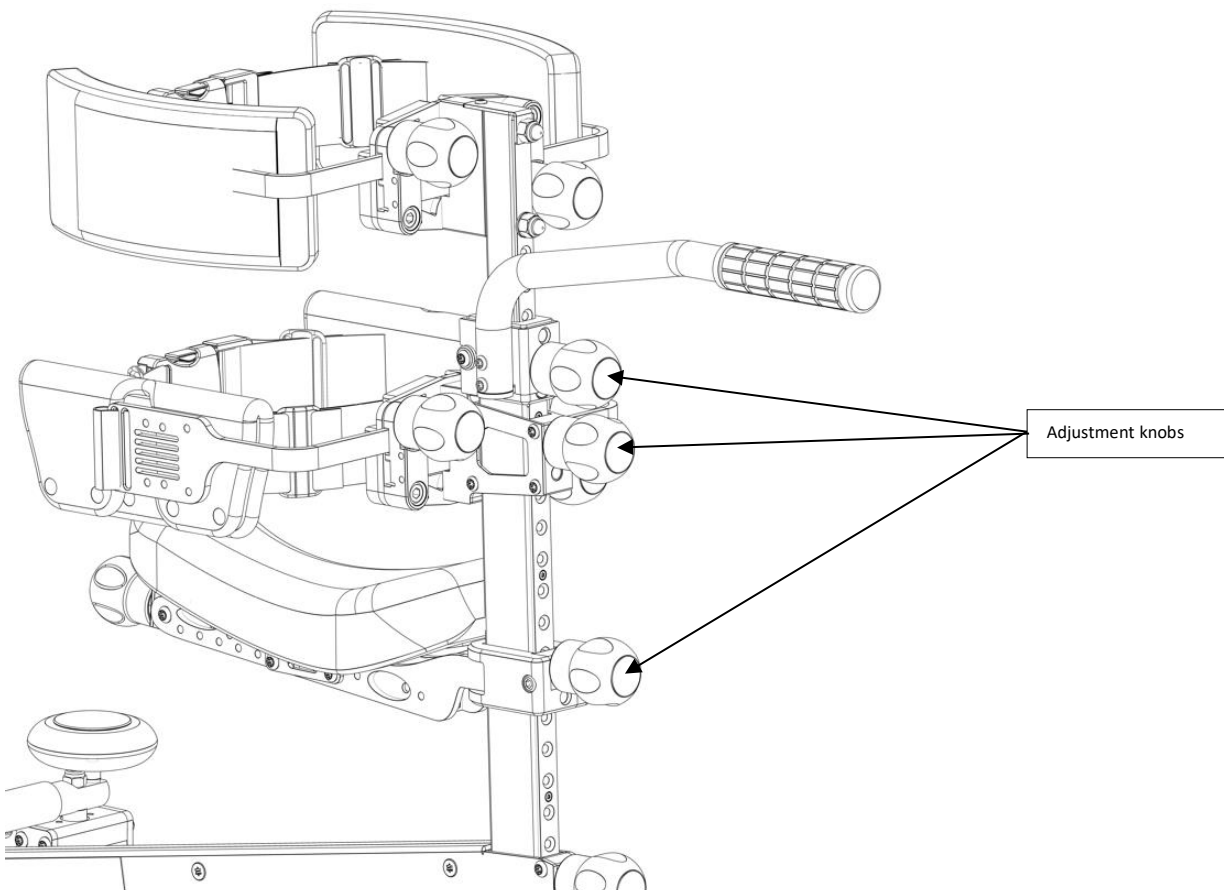


Figure 11: Height adjustment of the Xplore's chest support, hip bar and seat



## 7.4 Adjusting the width of the chest support and hip bar

The Xplore's chest support and hip bar employ the same principles as those used for width adjustment. By loosening the knobs that secure the arms of the chest support and hip bar, the arms can be pushed outwards or inwards to the desired width. Tighten the knobs again. Please check to ensure that the arms have been fastened securely.

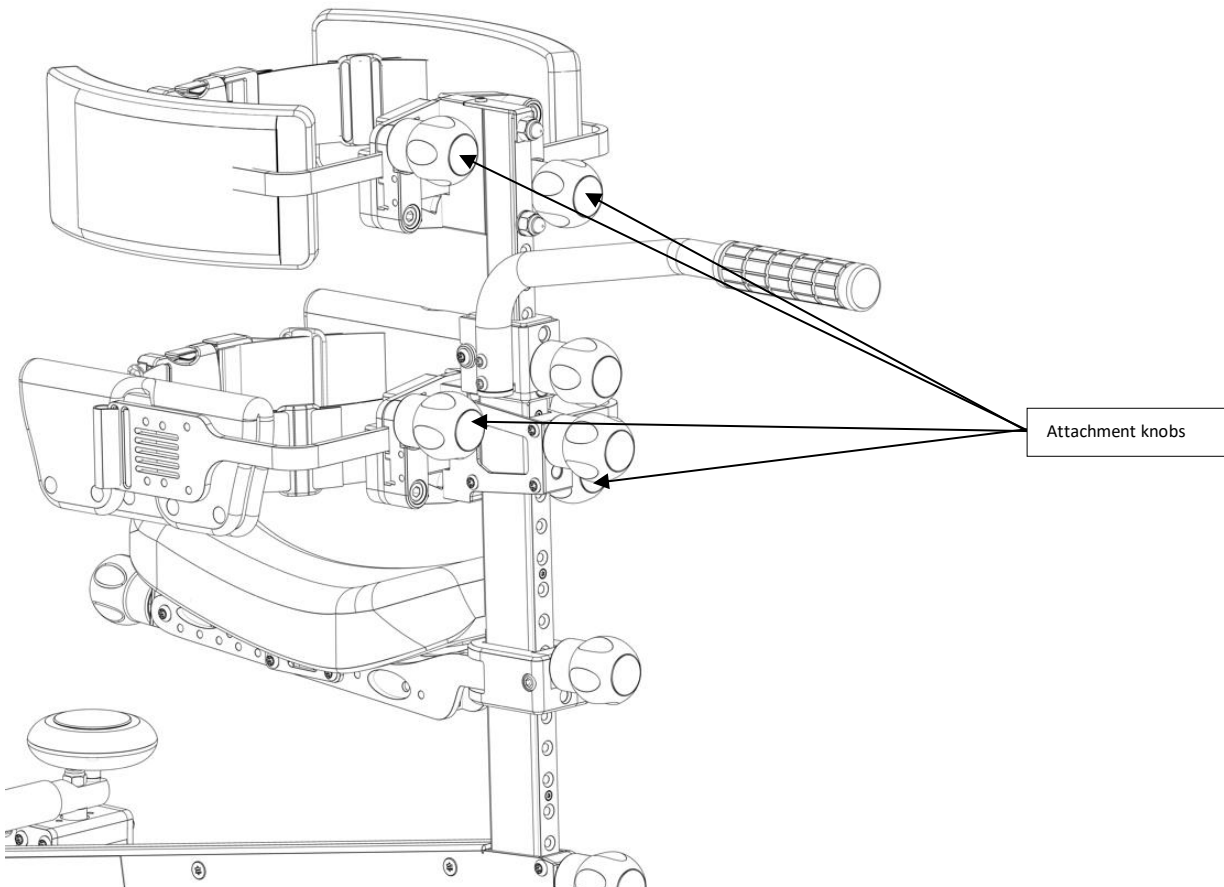


Figure 12: Adjustment of Xplore's chest support and hip bar



## **8. Using the Xplore**

### **8.1. Duration of use**

Duration of use of the Xplore will depend on the user's physical and mental health. The user's healthcare professionals are responsible for assessing this.

### **8.2. Training**

The following assumes that Xplore has been customized for the user by a representative from Made for Movement or another qualified person. The people assisting the user in the Xplore **MUST** have received the necessary training in the use of the product and have read and understood the contents of this manual. Appendix 1 should be used to ensure that all safe use aspects have been covered during the training. The information below explains how to get a user in and out of the Xplore.

### **8.3. Shoes**

The Xplore must be used while wearing shoes. You should also check that the shoes fit well when using the Xplore.

### **8.4. Preparations before use**

Place the Xplore on a level surface and apply the brake. Make sure all buckles are open before moving the user to Xplore. Check that the seat is at the correct height. Check that all supports and the seat are securely attached.

### **8.5. How to get the user into the Xplore**

There are three primary ways to get users into Xplore; easily assisted/lifted, when moving people or using a sling/harness. Common to all methods is that the user is moved to the seat on the Xplore. For the smallest and lightest users, it may be easiest to lift the user to the seat. For heavier users, these can be assisted into the seat if they have a functional level that allows it. Users who need more support can be moved over using transfer technology. For heavier users, it may be appropriate to use a sling or harness to ensure safe and gentle movement.

### **8.6. Securing users in the Xplore**

Apply the brake by pressing down on the brake lever. Push the lever up to release the brake. Fasten the chest belt and lap belt immediately after the user has moved over to the seat. Fasten the chest belt first and clip the locking parts of the chest belt together until you hear a click, and feel that the lock is secure. Then fasten the lap belt by checking that the rear lap belt is facing backwards and that the belt is positioned approximately in the middle of the user's bottom. The upper hip belt must be fastened in front of the user with the fastening clips mounted on the belt. Press them together until a click is heard and feel that the lock is secure. User is now secured in Xplore.





Please note that the seat, or the safety strap, must be fitted at all times for the user to be safe in the product. If a seat/strap is removed, the user will be able to slide down and out of the product. Please also note that the user is secured to the seat by an assistant at all times, until the belts are fastened.



The user must ALWAYS wear both the chest belt and the lap belt as long as the user is in the Xplore. If it is felt that the belts hinder the user's movement pattern, the belts can be loosened a little and the chest belt can possibly be lowered a little. The user then has more freedom of movement, while ensuring safety.

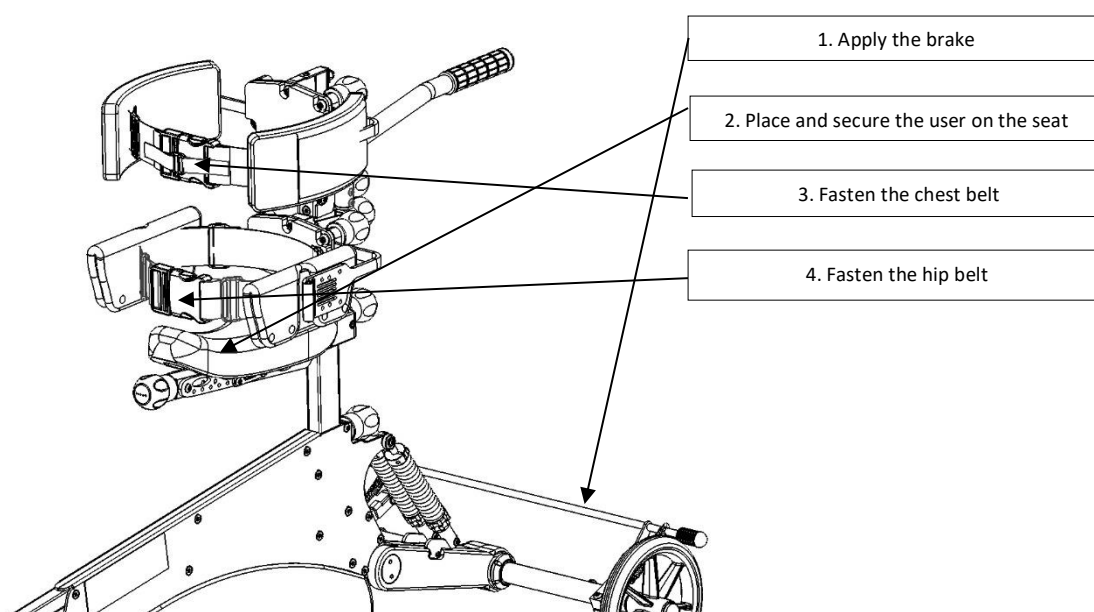


Figure 13: Xplore user protection order

## 8.7. How to get the user out of the Xplore

Move the Xplore close to the area to which the user will be transferred.

There are three primary ways to get users into Xplore; easily assisted/lifted, when moving people or using a sling/harness. Common to all methods is that the user is moved from Xplore by lifting or moving the user from the seat to a chair, wheelchair, bed or similar. For the smallest and lightest users, it may be easiest to lift the user from the seat. For heavier users, these can be assisted from the seat if they have a functional level that allows it. Users who need more support can be moved over using transfer technology. For heavier users, it may be appropriate to use a sling or harness for safe and gentle movement. When using a sling/harness, these must be attached to the user and in lifts, before the Xplore's chest and hip belt are loosened for safe movement.



Always ensure that the user is secured by the assistant at all stages of the transfer when belts on the Xplore are released.



## **9. Who can perform the initial adjustments and follow-up adjustments**

### **9.1. Initial adjustment**

- The Xplore is a personal aid and can only be used by the person for whom the product has been adapted.
- Xplore must only be fitted by a Made For Movement representative or another qualified person who has received training.

### **9.2. Follow-up adjustments**

- The Xplore needs to be adjusted to accommodate growth when required.
- The Xplore must only be readjusted by a Made For Movement representative or another qualified person who has received training.

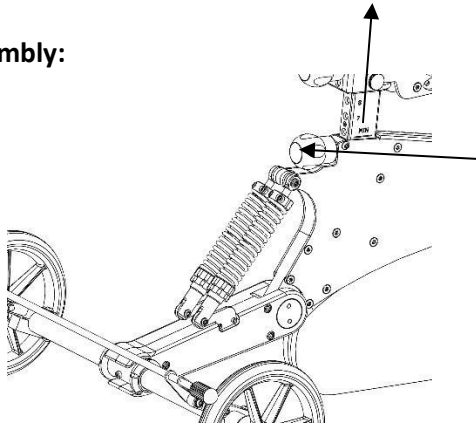


## 10. Transport

The Xplore can be dismantled for packing or transportation without changing the settings.

When dismantling/assembling the rear axle and the column, you will need the following tools: a special spanner for the rear axle.

### Disassembly:

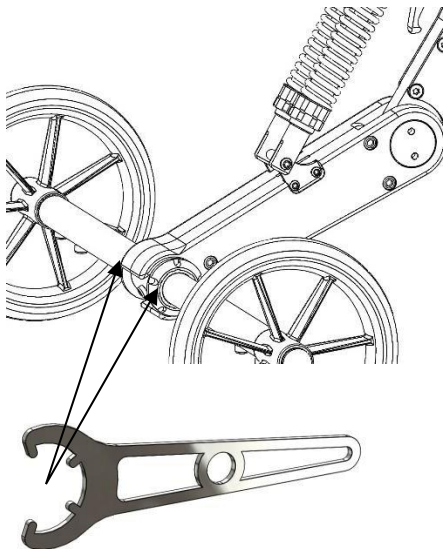


#### Dismantling the column:

Loosen the tightening knob in front of the shock absorbers. Lift the column out of the frame.

Tip: to put the column back in the same position, count the number of holes on the column between the chassis and the upper column adjustment bracket.

Figure 14: Xplore knob for loosening the column



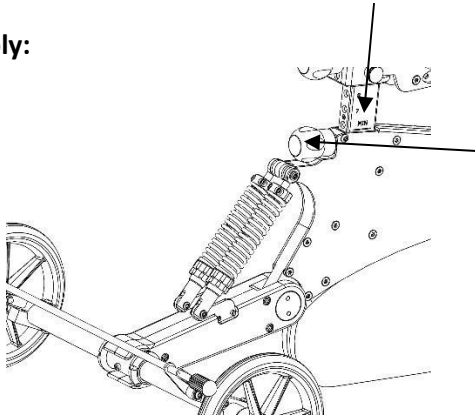
#### Dismantling the rear axle:

Loosen the conical nuts and pull the rear axle backwards.

Figure 15: Xplore tools for loosening conical nuts on the rear axle.



### Assembly:

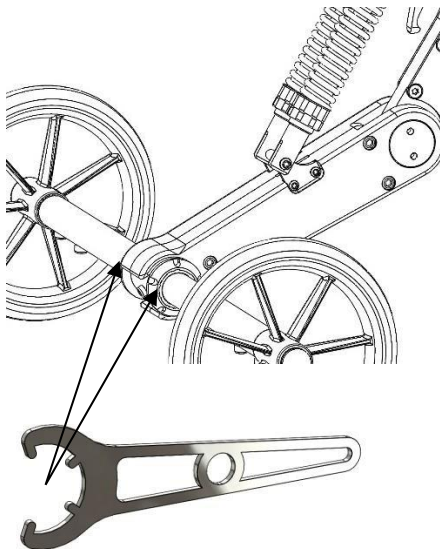


#### Assembling the column:

Loosen the tightening knob in front of the shock absorbers. Lift the column back into the frame.

Count the number of holes on the column for correct placement. Tighten the tightening knob and check to ensure that the column has been securely assembled.

Figure 16: Xplore Assembling the column



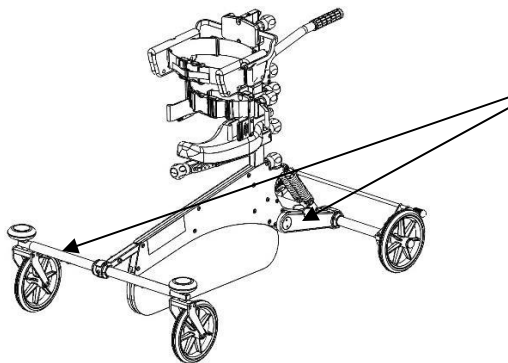
#### Assembling the rear axle:

Push the rear axle into the trailing arm opening. Tighten the conical nuts on both sides of the trailing arm using the special tool.

Check to ensure that the rear axle has been securely fastened.

Figure 17: Xplore Using the tool to tighten the conical nuts.

### Carrying the product:



#### Carrying points:

Carry the product by holding the front axle and the trailing arm that holds the rear axle.

Figure 18: Xplore carrying points.



## 11. Technical information

### 11.1. Labelling

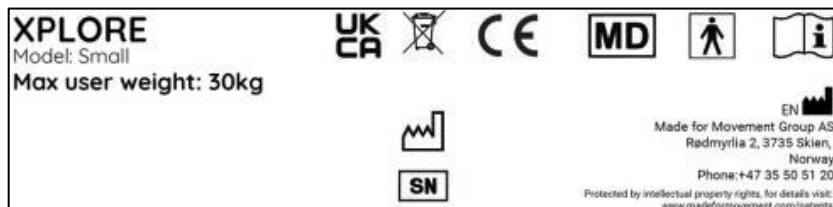


Figure 19: Xplore Small machine sign

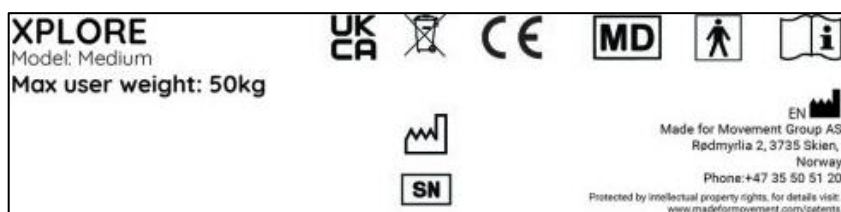


Figure 20: Xplore Medium machine sign

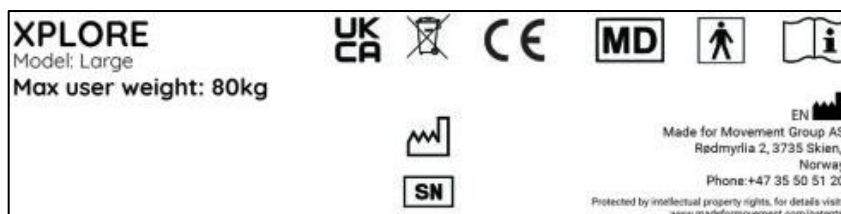


Figure 21: Xplore Large machine sign



## 11.2. Specifications and dimensions on the Xplore

Xplore	Small	Medium	Large
Max. product height:	112,5 cm	110 cm	140 cm
Max. product length:	103 cm	114 cm	127 cm
Max. product width:	55 cm	70 cm	80 cm
Product weight:	14,5 kg (15,1 kg**)	16.7 kg	19 kg
Wheels:	185 x 28 mm	185 x 28 mm	185 x 28 mm
Max. user weight:	30 kg	50 kg	80 kg
Recommended height of user:	80*-120 cm	110-150 cm	140-180 cm
Hip width:	16-35 cm	20-32 cm	28-45 cm
Upper column adjustment:	0-28 cm	0-25 cm	0-32 cm
Lower column adjustment:	0-14 cm (0-12 cm**)	0-12.5 cm	0-16.5 cm
Min. seat height:	37 cm (30cm*)	43 cm	45 cm
Max. seat height:	51 cm (64 cm**)	70 cm	88 cm
Turning radius:	100 cm	120 cm	130 cm
Area of usage: indoors	Yes	Yes	Yes
Area of usage: outdoors in dry weather	Yes	Yes	Yes
Min. product height ***	52 cm u.hs 62 cm m.hs	72cm u.hs 82cm m.hs	97cm u.hs 107cm m.hs
Seat width	7 cm	max. 13.5cm min.7cm	max. 13.5cm min.7cm
Seat depth	22 cm (padded seat)	30 cm (saddle)	30 cm (saddle)
Chest support adjustment interval	42 cm	40 cm	38 cm
Chest support height measured from the ground	Min: 53cm Max: 95cm (Min: 70cm Max: 110cm**)	Min: 65cm   Max: 105 cm	Min: 95 cm   Max: 133 cm
Standard weight (with seat and companion handle)	15,4 kg	17,8 kg	20,1 kg
Weight with accessories****	17,1 kg (17,7 kg **)	20.4 kg	22.4 kg
Delivery size (dimensions and weight):			
Column*****	47x47x16.5 cm   5 kg	59x47x16.5cm   5.9kg	84x47x30cm   7.2kg
Chassis	93x25x5.5 cm   4.3 kg	103x33x5.5cm   5.3kg	116x33x5.5cm   5.8kg
Rear axle	50x15x10 cm   1.7 kg	70x20x23cm   2.6kg	77x20x23cm   3.2kg



Front axle	57x20x9 cm   1.9 kg	70x26x8cm   3kg	77x26x8cm   3.1kg
Profile measurements:			

Lower column component	5x2 cm	5x2 cm	5x2 cm
Upper column component	2.5x1.5 cm	2.5x1.5 cm	2.5x1.5 cm
Front axle frame component	2x2 cm	2x2 cm	2x2 cm
Materials that come into contact with the user over time (applied parts):	Material:	Fabric thickness:	Padding thickness:
Chest padding	Neoprene/Polyester	0.65 cm	0.65 cm
Seat padding	Neoprene/Polyester	0.65 cm	2.5 cm
Lower leg padding	Neoprene/Polyester	1 cm	1 cm
Leg divider	Polycotton/Polyethylene	0.06 cm	0.9 cm
Back padding	Polyethylene		1 cm
Materials that can come into contact with the assistant and user over a shorter period of time (accessible parts)	Material:	Fabric thickness:	
Nylon band	Nylon	0.1 cm	
Aluminium	AA6082-T6, EN-AW5754, AA6061	N/A	
Stainless steel	AISI304/1.4301,	N/A	
Steel	Domex 600, S355, SS2384 spring steel	N/A	
Plastic	POM, Polycarbonate, Polypropylene, Nylon, Acetal	N/A	

*\* For the smallest users, the seat padding is attached directly to the frame to enable the use of the Xplore as early as possible. The seat post is removed and stored during this period. As the user grows, the seat padding is moved back to the seat post that is re-attached to the seat bracket on the column.*

**\*\* Long lower column**

**\*\*\* Abbreviations: u.hs = without headrest. m.hs = with headrest**

**\*\*\*\* With the following accessories: companion handle, support handle with fastening, paddings, headrest, one-way bearing, directional lock.**



\*\*\*\*\*The Small model it is supplied with two lower column components with different lengths.  
The shortest of these should be replaced with the longest one as the child grows.

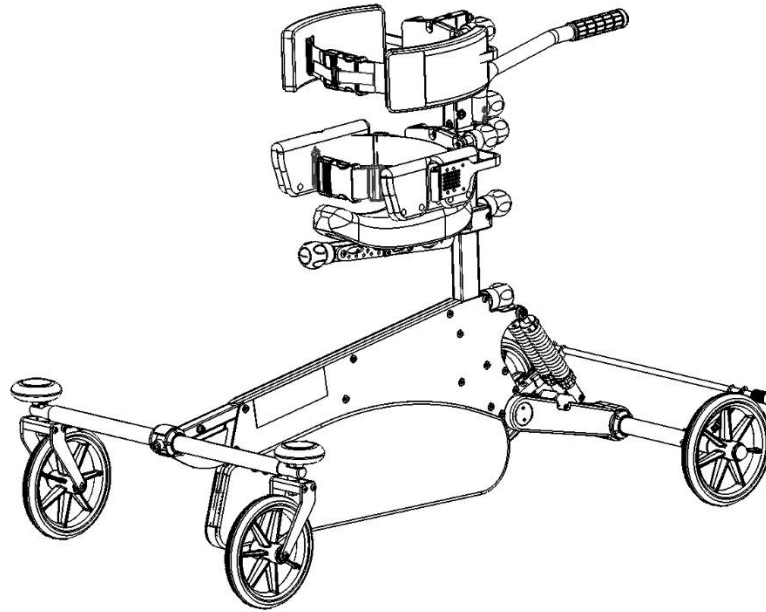


Figure 22: Xplore complete



## 12. Extra equipment

### 12.1. Headrest

The height-adjustable headrest can be mounted on the chest support bracket. The height is adjusted by loosening the knobs which hold the headrest bar and then adjusting the height and tightening the knobs again in order to fix the headrest in the desired position. When disinfecting the headsupport with alcoholbased fluids, some blackening can occur on the cloth. This is harmless and the head support is still disinfected.

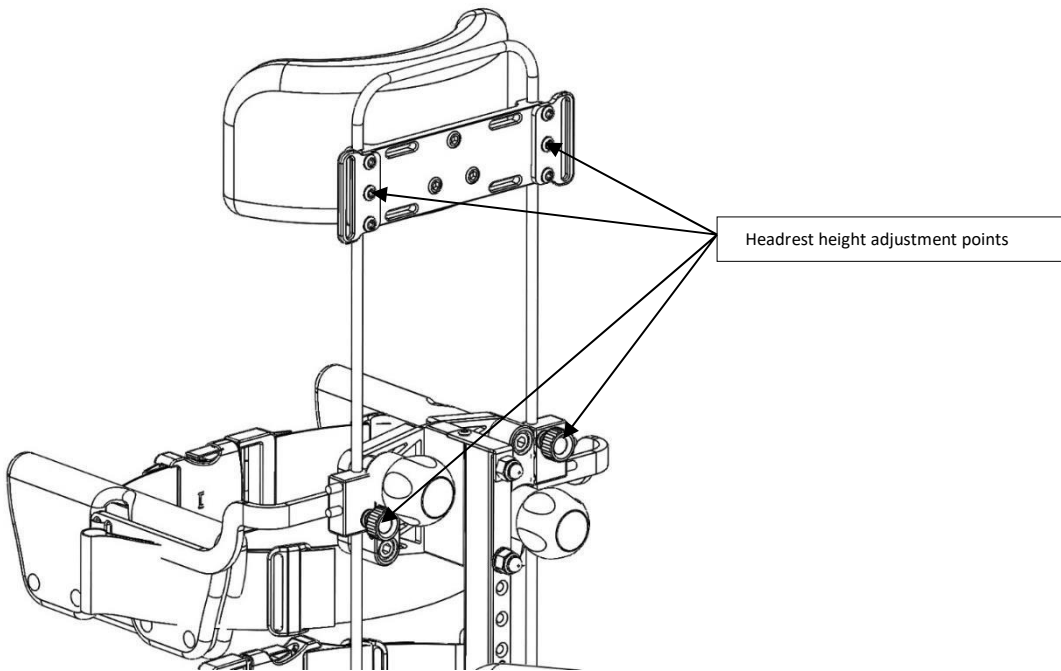


Figure 23: Xplore headrest

### 12.2. Side handles

Side handles can be mounted on the hip bar if the user needs something to hold on to while walking.

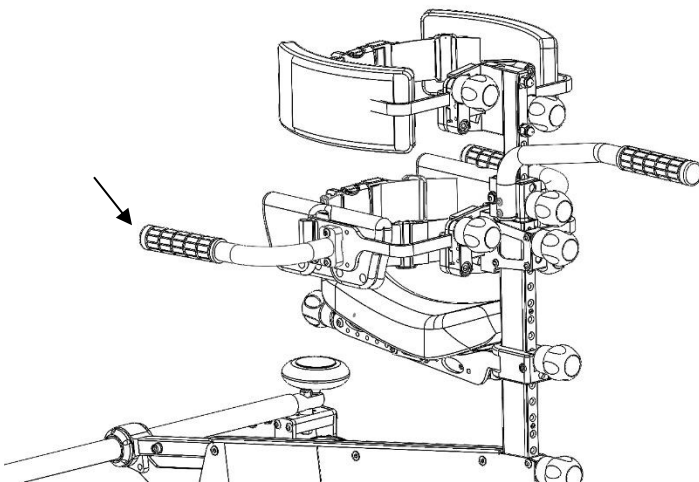


Figure 24: Xplore side handles



### 12.3. Escort handle

The upper column adjustment bracket can be expanded to hold the bracket used for attaching the escort handle. Screw the escort handle into the column by tightening the knob on the mounting bracket. The height of the escort handle can be adjusted by adjusting the height of the lower column adjustment. Do not lift the product with the user in the product, or push down the handle with the user in the product to lift the front wheels to pass obstacles. This can break the handle.

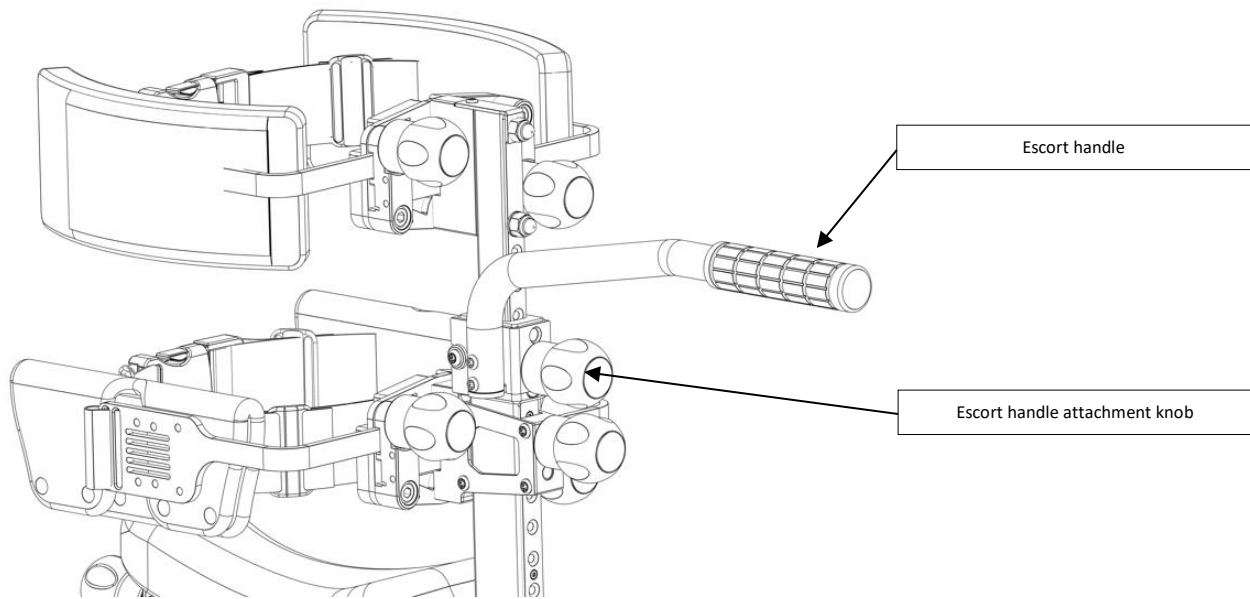


Figure 25: Xplore escort handle



## 12.4. Correction system for the legs

For users who need correction of the legs and positioning in the product, a correction system with cuffs can be used. The cuffs are attached around the user's legs and/or thighs. The cuffs are placed around the user's legs and tightened and secured with Velcro straps. Make sure that these are not tightened too tightly as it is uncomfortable and can limit blood flow to the legs. The cuffs have ring fasteners attached.

Spreader rollers are mounted on the front axle of the Xplore, and a u-tube is mounted on the rear of the pillar. Guide straps and/or elastic with an attached carabiner are threaded through the spreader rollers and u-tube rollers and attached to the ring attachment on the cuffs. The length of the guide cords/elastics is adjusted, so that the user is positioned appropriately and has enough room to move around as desired. Assembly and adjustment of the correction system should be carried out by a trained person.

The guide straps/bands have a number of functions:

- Extend user's legs
- Correct walking pattern
- Place the legs under the user
- Pull the chassis with them when the user walks

Both guide belts or guide knits can be used - or a combination of these. This is assessed based on the user's needs.

Guide bands are more flexible compared to guide belts. They are usually used to correct walking patterns and increase stretch across the knees. The flexibility of the bands gives more freedom of movement

Guide belts are not flexible, but may be appropriate to use in situations where more force is required to correct an inappropriate walking pattern. There is less flexibility when the user walks with guide belts.

When cuffs are not to be used, one simply fails to attach them to the wearer, and removes the straps/knits for the occasion. The spreading rollers and u-tube can remain on the product as they do not hinder use, and they are ready for the next time they are needed.



Setting up the correction system requires knowledge and experience and should only be done by a Made for Movement representative or another qualified person who has received training.



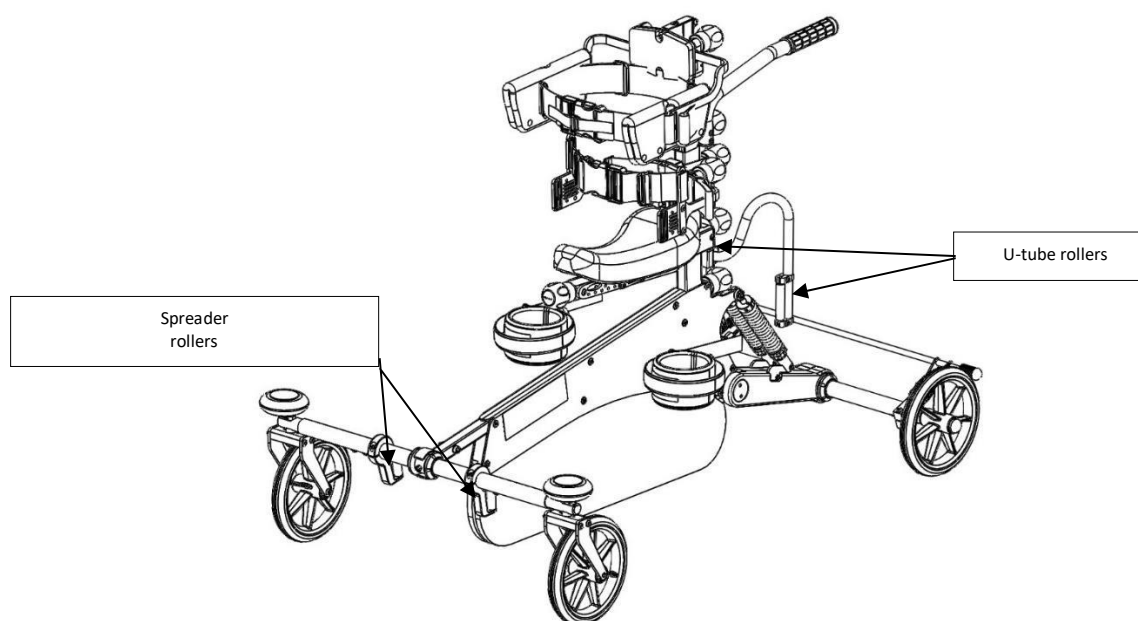


Figure 26: Xplore spreader rollers and U-tube



Figure 27: Details of Xplore spreader rollers and U-tube



## 12.5. Not in use

Chapter not in use.

## 12.6. Front wheel directional lock

A directional lock can be mounted on the front wheels, allowing the wheels to be locked in a forward position. By unlocking the wheels, these can rotate freely through 360 degrees.

## 12.7. One-way rear wheel

The rear wheels can be supplied with a one-way function, so that the Xplore can only move forward. When moving backwards, the rear wheels will lock. This may be relevant for users who have challenges in achieving forward movement.

## 12.8. Support handle

The support handle is useful for users who need support for their hands/arms. The support handle is available in two different sizes: 310 mm wide (standard) and 410 mm wide (wide).

If necessary, the length of the support handle can be cut to suit the height of the user in question.

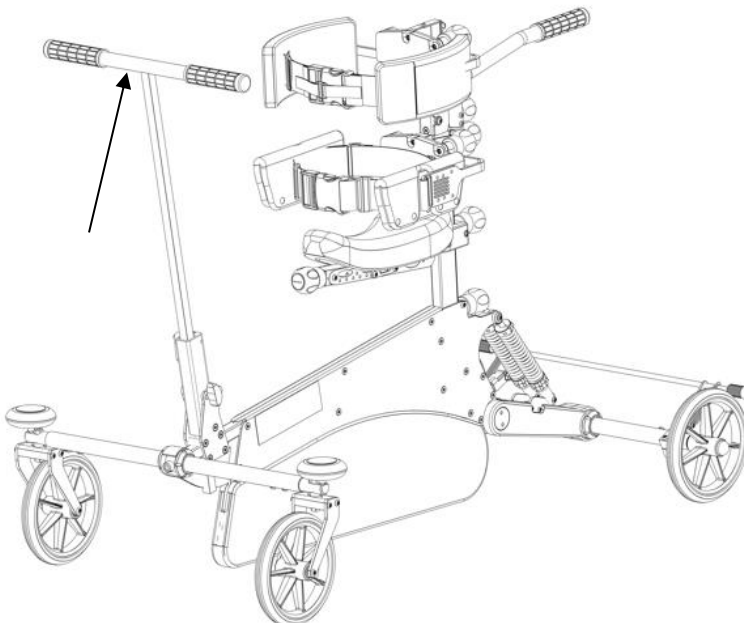


Figure 29: Xplore support handle



## 12.9. Safety strap

The Xplore can be used without the seat for users that have better leg control. See chapter 5.2+8.6. These users must use the safety strap between the legs to prevent the user from sliding out of the product.



Figure 30: Xplore safety strap

## 13. Tests and approvals

The Xplore and its accessories are CE and UKCA marked in accordance with the following regulations and standards:

EU 2017/745 Medical Device Regulation (EU MDR)  
FOR-2021-05-09-1476 Forskrift om medisinsk utstyr  
SI 2002/618 UK Medical Device Regulation (UK MDR)  
NS-EN 12182 :2012  
SS-EN 12182 :2012  
DIN EN ISO 11199-3 :2005 §4.3  
NS-EN ISO 14971 :2019  
NS-EN ISO 13485 :2016



Declaration of conformity is available upon request.

This user's manual is delivered together with the product. The user's manual can also be downloaded from our web-site: [www.madeformovement.com](http://www.madeformovement.com)

## 14. Waste handling

All the parts of the Xplore can be recycled. The product should be delivered to an approved waste management facility. Straps, elastic bands, padding and clips can be treated as normal household waste.



## 15. Cleaning and maintenance

### a. Cleaning

The Xplore should be cleaned with a damp cloth and mild soapy water. Do not use solvents, high pressure washers or other strong cleaning methods. The same applies to the straps and padding. If the Xplore is used outdoors, sand and dirt must be brushed off properly after use. When disinfecting the headsupport with alcoholbased fluids, some blackening can occur on the cloth. This is harmless and the head support is still disinfected.

The Xplore is resistant to disinfectants and can be disinfected if necessary with commercially available disinfectants or those listed on the Norwegian Medicines Agency's VAH/RKI list.

The cuffs can be machine-washed, max. 40°C. Avoid using a tumble dryer. Use mild soap!



### b. Adjustment for user growth and function change

If there is a need to adjust the product due to user growth and/or functional changes, this must be carried out by a Made for Movement representative or another qualified person who has completed training in this.

### c. Technical inspection and maintenance

Inspection	
<b>Daily Pre-Check:</b>	Perform the <u>daily</u> Pre-Check as described in chapter 3 before use.
<b>Monthly Pre-Check:</b>	Perform the monthly Pre-Check as described in chapter 3 once a month.
<b>Findings from Pre-Check:</b>	If there are findings from the Pre-Check, a repair must be ordered. The product shall not be used again before it's repaired, unless otherwise agreed with the representative that it is ok to use the product until it has been repaired.
Maintenance	
<b>Washing:</b>	Keep the product clean. If necessary, disinfect the product.
<b>Repairs:</b>	Repairs and replacement of worn parts are performed by a Made for Movement representative. Order repairs from your local Made for Movement contact person.



**Important:** If the Pre-Check and repairs are not carried out, and repairs are documented, the product certification is broken, and Made for Movement is no longer responsible for unwanted incidents, accidents or damages that occur. This responsibility rests with the customer in the unlikely event that the Pre-Check and any repairs are not carried out. The warranty will also not be valid if the Pre-Check and repairs are not carried out



### **Maintenance information:**

Made for Movement develops and manufactures unique standing, activity and walking aids for people with disabilities. The products are designed with moving parts to enable flexible operation and easy and safe use. Some of the moving parts and key components will get worn down during use, and will need to be replaced when worn out. Daily and monthly pre-check are executed to make sure the unit is safe to use over time, and that wear is discovered and repaired.

Typical wear parts are listed below. Other parts can also get worn out due to the users use and/or movement pattern, and these will also need to be replaced if worn out. Repairs must be ordered if wear is detected, and the product must not be used again until the product has been repaired. The exception is if the MFM representative assesses the case and defines that the product can be used until the repair, and this is clearly agreed between the user/assistant and the MFM representative.

Examples of wearing parts that are not covered within the warranty period are: Wheels, upholstery, straps, belts, guide cords, leg dividers, seat upholstery, brakes.

Examples of parts that may wear out over a period of 2-5 years\*; On the product: Front fork, damper, wall deflectors, spreader rollers, column mount, hip braces, headrest brace, headrest pad. Additional equipment with padding, moving parts or parts subjected to strong force can also be worn and should therefore be replaced if worn.

\*Normally, these parts will be durable for the product's expected lifetime, but given that Made for Movement offers movement in an upright position to people with different disabilities who have a varied movement pattern, the parts that wear out on the product will be very individual.

Please remember that cleaning and maintenance are necessary for the warranty to be valid.

Labels are very seldomly worn out, but for somewhat special cause they are worn out and difficult to read, these shall be replaced by Made for Movement.



Do not execute maintenance when the product is in use or the user is in the product.

## **16. Reuse**

The Xplore can be reused by a new user when the period of use ends. If reused, the product must be returned to Made for Movement or its representative. A reuse service, disinfection and replacement of worn parts will be carried out.

If the product is older than its expected life span of 5 years, any parts that could affect safe usage will be assessed and replaced if necessary.

The following conditions apply to reuse:

- Product repairs and maintenance have been carried out by Made for Movement.
- The Xplore has been used and treated in accordance with this manual.



## 17. Warranty

Made for Movement provides a 3-year warranty on the Xplore. The warranty does not cover additional equipment or special solutions supplied by companies other than Made for Movement. Normal wearing parts are not covered by the warranty.

Expected lifetime for the product is 5 years.

The following criteria must be met in order for the warranty to be valid:

- Repairs and maintenance of the product have been carried out by a Made for Movement representative.
- Pre-check and maintenance (chapter 3+15) has been carried out, and repairs can be documented.
- Repairs that are covered by the guarantee must be clarified with Made for Movement Group AS before the product is repaired. Warranty claims must be sent to Made for Movement within a reasonable time (within 2 months). If a claim is made after this, the right to warranty may expire.
- The product has not been rebuilt or repaired by anyone other than a Made for Movement representative.
- The product has been kept clean.
- The product has been used and treated in accordance with these instructions for use.

Should the product fail to work in a satisfactory manner, please contact Made for Movement or its representative by calling +47 35 50 51 20 or sending an e-mail to:  
info.no@madeformovement.com



Please inform Made for Movement if the product does not work properly or as expected. Do not use the product until it has been repaired.

## 18. Declaration of Conformity

Declaration of conformity is available on request.  
See chapter 13 for approvals.



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**UK Responsible person:**

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London, W1W 5PF  
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Office: +44 3301136366

**Manufacturer:**

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3735 Skien  
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Tel. +47 35 50 51 20  
Fax +47 35 50 51 21  
info.no@madeformovement.com  
www.madeformovement.com  
BRN: NO 991 237 615 VAT



## Appendix 1 – Training for users and/or assistants

### Training and assistants

Before starting to use the product, the user or its assistive person must receive training from a Made for Movement representative.

Only trained users/assistive persons are allowed to operate the product.

The training program consist of, at minimum, the below topics.

The user / assistive person has received training within the following topics:

Xplore Training:	Completed: Yes/No:
Information stating that only trained assistive persons shall operate the product	
Warnings, Indications and Contraindications for use	
Pre-Check	
Safety features	
Moving, attaching and detaching the user to the product	
Use and walking in the product	
How to use the brake	
Attachment and use of extra equipment	
Secure disassembly and assembly for transport	
During use; observation and check of the patient	
Handover of user manual and explaining what it includes	
Using the QR-code on the product	
Assess need of adjustment in accordance to user growth	

*Set N/A (Not Applicable) for topics that are not relevant in this case*

Date / Place:

Innowalk serial nr:

Trained by:

Training recipients:



## Training of others by superusers

---

A superuser can train other assistants/caretakers. A superuser have received training on how to use the product by a Made for Movement representative and is officially approved to work with the product. The superuser will train other assistants/caretakers in accordance with the user manual and use the Appendix 1 during training.

Assistants/caretakers that have received training by the superuser shall be noted below.

This filled-in written document should be stored securely where the product is being used, and in compliance with GDPR, so that no personal information is publicly available. The document shall be available for Made for Movement upon request.

**Please note that only persons that have received training are allowed to operate the product with the user.**

The product serial no: \_\_\_\_\_

User initials: \_\_\_\_\_ (user is the person (anonymized) using the product)

Superuser (name): \_\_\_\_\_ (superuser is responsible for the training of other assistants/caretakers)

Trained by (name): \_\_\_\_\_ (MFM representative (the trainer))

Location + Date of training of superuser: \_\_\_\_\_

Persons that have received training by the superuser:	Date training received:



## Appendix 2 - Assembly Guide

The main parts of the Xplore are easily assembled manually by just using a special tool. The illustrations below show how.

### Step 1

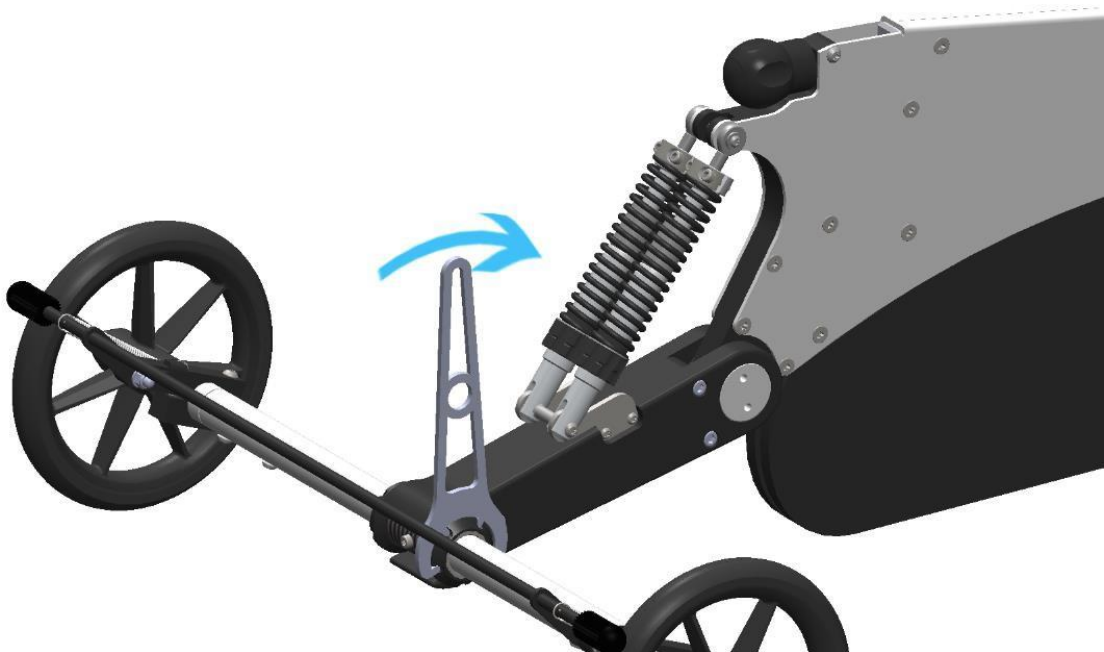
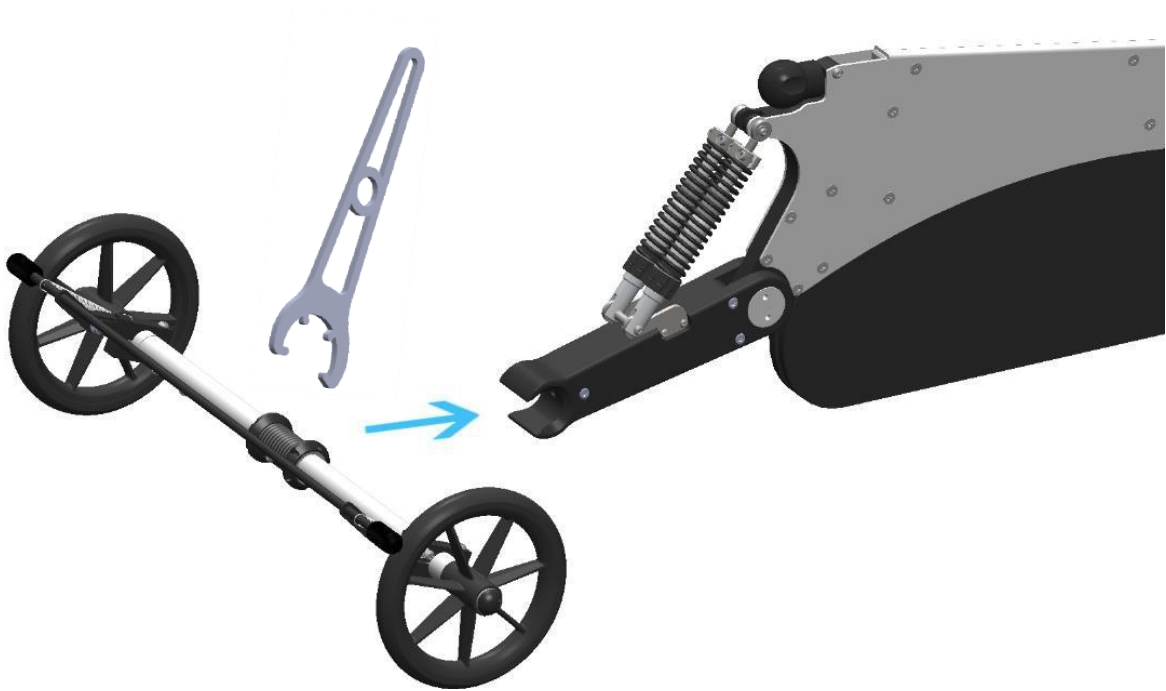
Attach the front axle to the frame using the special tool. Tighten both nuts well.





**Step 2:**

Attach the rear axle to the frame using the special tool. Tighten both nuts well.

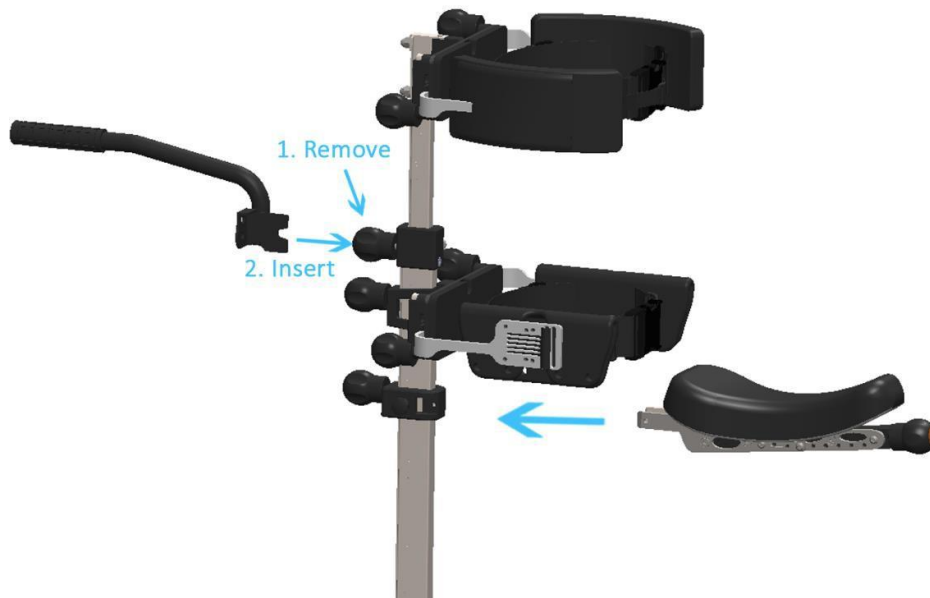




**Step 3:**

The seat: push the seat into the seat bracket.

Companion handle: unscrew and remove the tightening handle (1.). Insert the companion handle into the bracket (2.) Replace and re-tighten the tightening handle.





**Step 4:**

Loosen the column tightening handle which is attached to the chassis and push the column down into the chassis. Tighten the tightening handle in order to secure the column. Tighten well.





**Step 5:**

The product is ready to use.

