



ROPOX Toilet lifter manual




User manual

This manual should always be in close proximity of the product.


Table of content

1. Symbols used in this manual	3
2. General safety	3
2.1 Product Unit label	5
3. General requirements	5
3.1 Product information	5
3.2 Product description	6
3.3 Intended use.....	6
3.4 Intended operator	6
3.5 Essential performance	6
3.6 Non clinical functions	6
3.7 Clinical functions	6
3.8 Product dimensions.....	7
4. Instructions for use	8
4.1 Installation interfaces	8
4.1.1 Plumbing.....	8
4.1.2 Construction	9
4.1.3 mounting the product	10
4.2 Operating the product	17
4.3 Residual risk	18
4.4 Installation of accessories.....	19
4.4.1 Installation of height adjustable toilet support arms	19
4.4.2 Installation of backrest.....	24
5. Cleaning	25
6. Maintenance	25
6.1 Periodic maintenance	25
7. Components part list.....	25
8. Environmental protection	26
9 Accident reporting.....	26

1. Symbols used in this manual

Warning Symbol Indication of potentially hazardous situation. If not avoided it can result in serious injury or death.	
Caution Symbol Indication of potentially hazardous situation which may result in minor or moderate injury. It may also be used to alert against unsafe practices.	
Notification Symbol This symbol is used to notify correct use and handling of the product.	

2. General safety

	<p>This manual must be read and understood before use and installation. Always keep this manual in close proximity of the product.</p> <p>The use, installation and service of this product must be in compliance with this manual to avoid accidents and serious personal injury.</p> <p>Never use or handle this product in other ways specified in this manual as it can result in personal safety hazards and/or cause damage to the product.</p> <p>Persons installing and/or using this product either as operator or user should have the necessary safety information and access to this manual.</p>
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Do not perform repairs, disassembly or assembly operations, add-ons, re-adjustments or modification of the product beyond what is described in this manual. These must be carried out by Ropox or Ropox authorized personnel. Do not perform service while in use.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.

Do not use the product if it has defects or have become damaged before being repaired or replaced.



The information in this manual is based on correct installation in accordance with installation instructions for this product.

Ropox cannot be held liable if the product is used in any way that differs from stated in this manual and/or installation instruction.

Ropox reserve the right to amend this manual and reference documents without prior notice.

2.1 Product Unit label



	This product is CE-marked in accordance with: European Medical Device Regulation (EU)2017/745
	Manufacturer name and address
	Date of production
	Stock number
	Serial number
	Consult manual before use
	Consult manual for important safety related information, warnings and safety precautions.
	Do not dispose as unsorted municipal waste. Product must be returned to a designated recycling station.
	Operating and storing temperatures may not exceed 5-40C°

3. General requirements

3.1 Product information

Manufacturer:	Ropox A/S Ringstedgade 221, DK-4700 Naestved +45 55 75 05 00 Email: Info@ropox.com		
Product models	Part number	Model	Configuration
	40-45026-1	Toilet lifter	Manuel
Expected service life according to ISO 17966:2016	5 years		
MDR Class 2017/745	Class I		

Intended environments	This product is to be used only in: Professional Healthcare Environment Homecare Environment
Maximum user weight according to ISO 17966:2016	200kg
Height adjustment	405-625mm
Ambient temperature	5-40C° Operation and storage

Accessories	
Item nr	Model
40-45011	Height adjustable toiletsupports, Short straight
40-45012	Height adjustable toiletsupports, Long straight
40-45013	Height adjustable toiletsupports, Short Wave
40-45014	Height adjustable toiletsupports, Long Wave
40-45100	Backrest long (70cm Toilet)
40-45101	Ryglæn, Short (56cm Toilet)

3.2 Product description

The ROPOX manual toilet lifter can be set in heights ranging from 405-625mm by the use of a crank handle. This can be done on either side of the toilet lifter if space is scarce. Height adjustment will meet different sitting height needs from various patient heights.

3.3 Intended use

The ROPOX height adjustable toilet lifter is intended to be used in both homecare and professional healthcare environments. Adjusting the height will meet ergonomic demands emerging from various patient heights.

The toilet lifter is not intended for playing, or as a training device.

3.4 Intended operator

The intended operator may include all that have read and understood this manual exempt kids.

3.5 Essential performance

The device does not have any function related to basic safety or essential performance. In case of loss or degradation of performance, the user can get off the toilet.

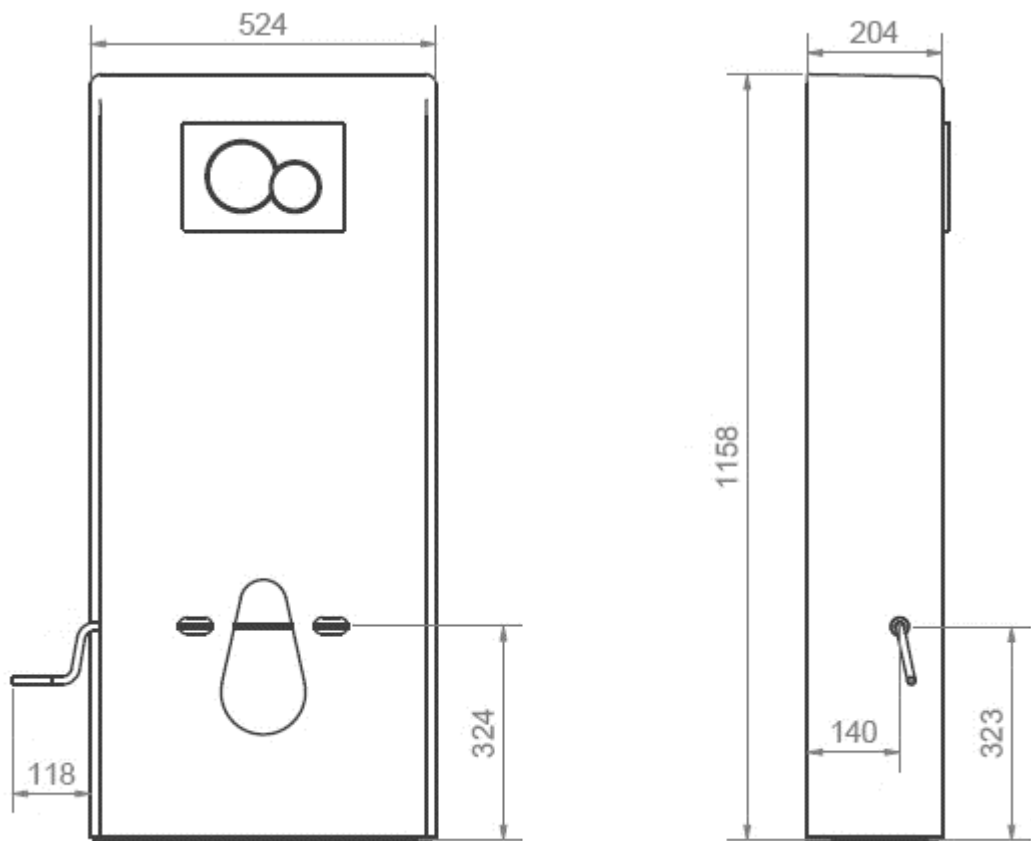
3.6 Non clinical functions

Height adjusting offers better ergonomics to user and caretaker.

3.7 Clinical functions

This product do not offer clinical benefit for patients, when used as intended by the manufacturer.

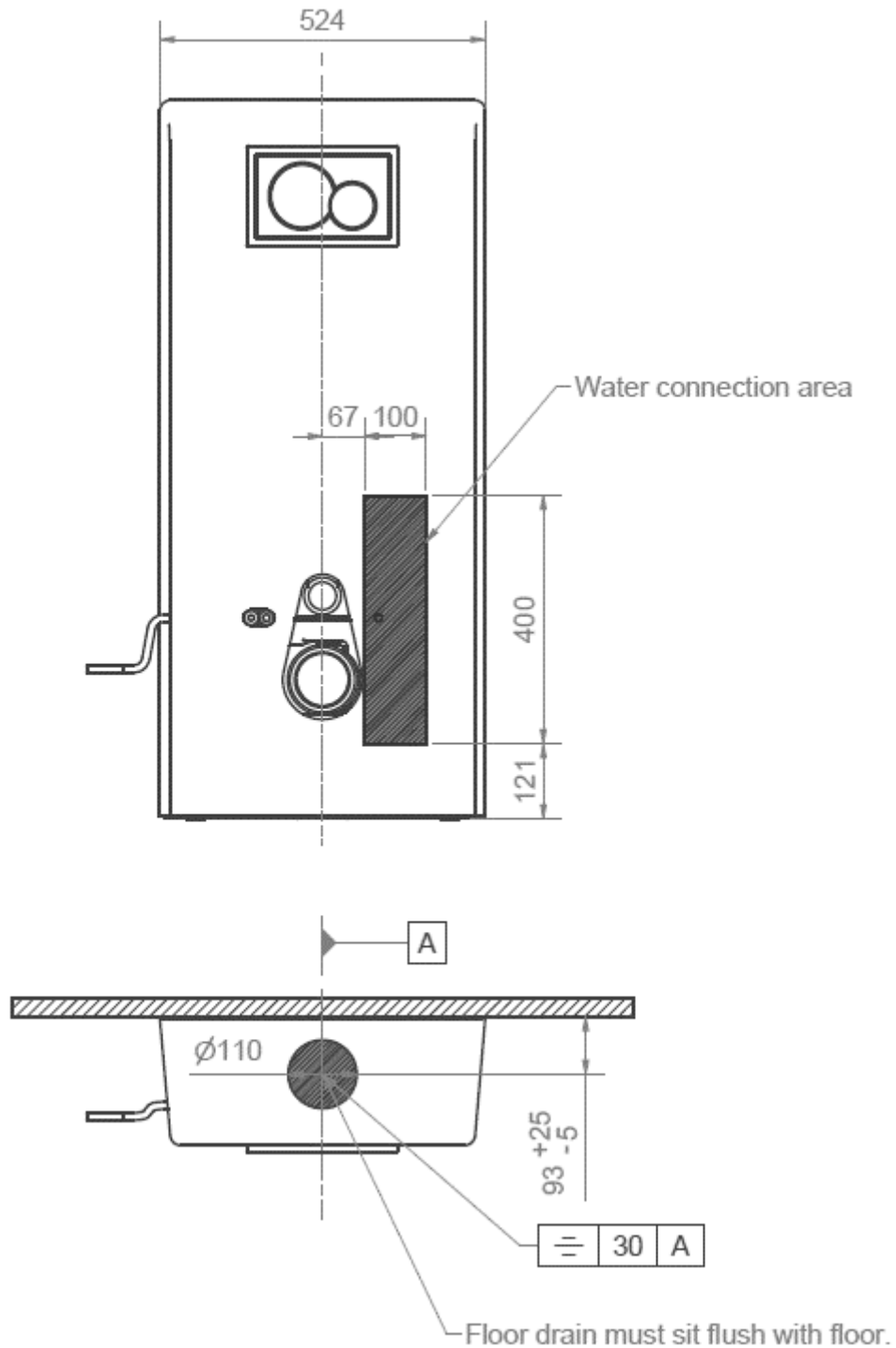
3.8 Product dimensions



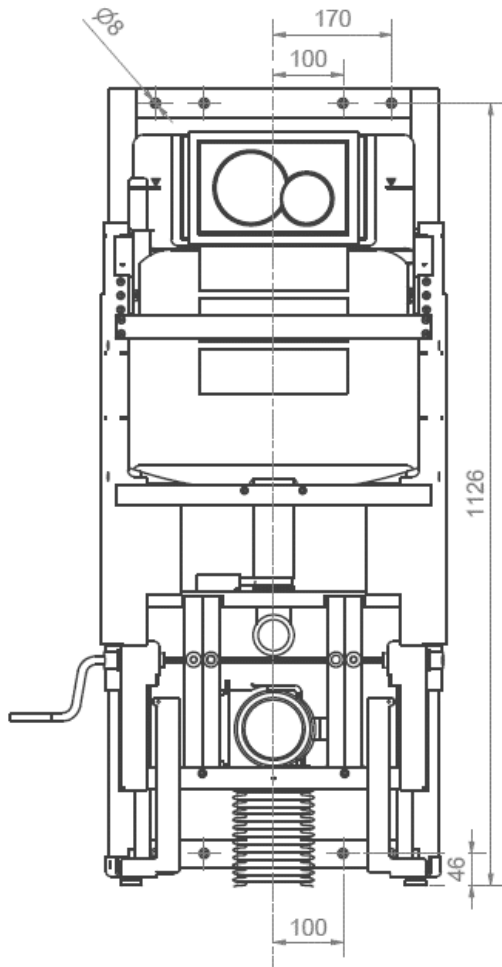
4. Instructions for use

4.1 Installation interfaces

4.1.1 Plumbing



4.1.2 Construction



Notification!

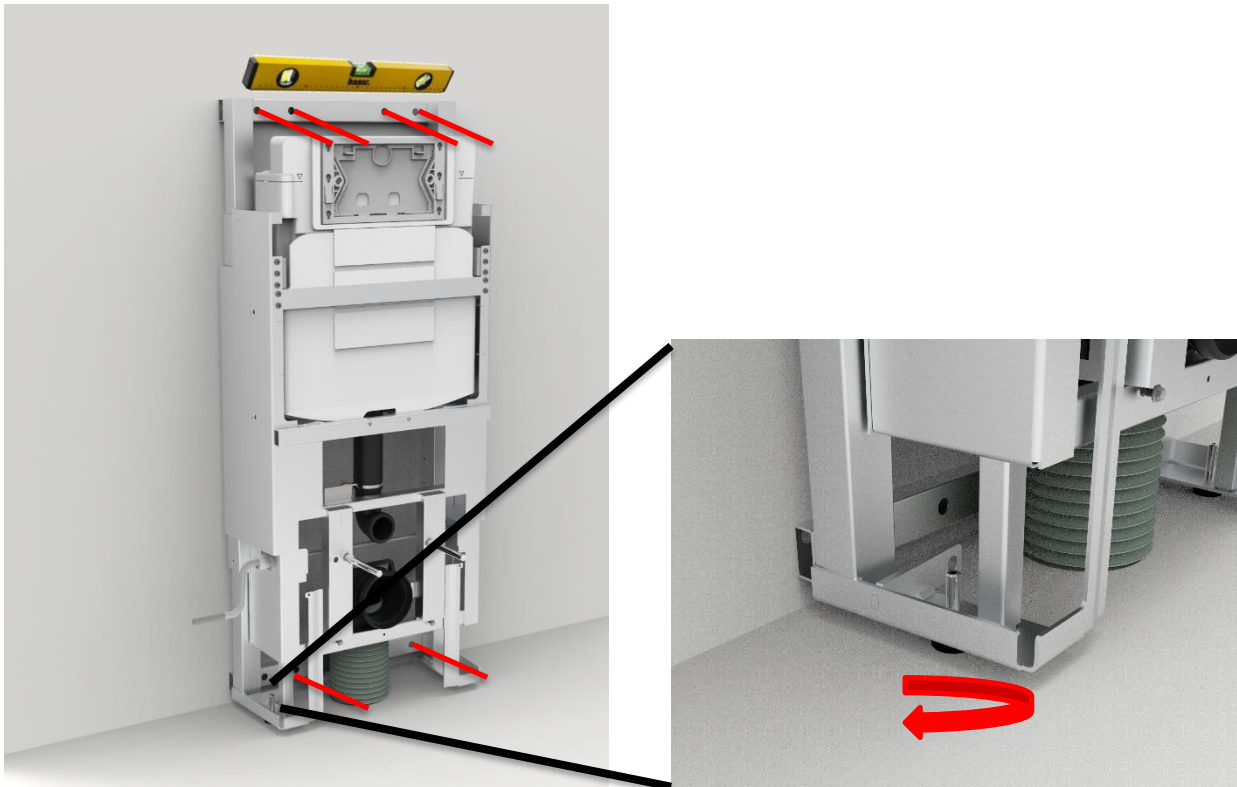
The toilet lifter is supplied with a set of 6 screws and rawlplugs suitable for mounting in a concrete wall. The fitter should always consider the material, condition, and strength of the wall and use screws and rawlplugs suitable for the specific wall type.



Caution!

Maximum pulling force per screw is 44kg, at 400kg max user weight according to ISO 17966: 2016

4.1.3 mounting the product.



- a.** Line up frame with threaded foots. Mark holes 6X and drill holes for appropriate rawl plugs
- b.** Connect water hose on wall outlet before securing frame to the wall
- c.** Secure frame to wall

d. Mount the drain bellow as instructed below



Drain finished at floor level:

Flex pipe is mounted on the drain adapter with a hose clamp, which is then pressed into the drain.



Make sure the bellow is not twisted

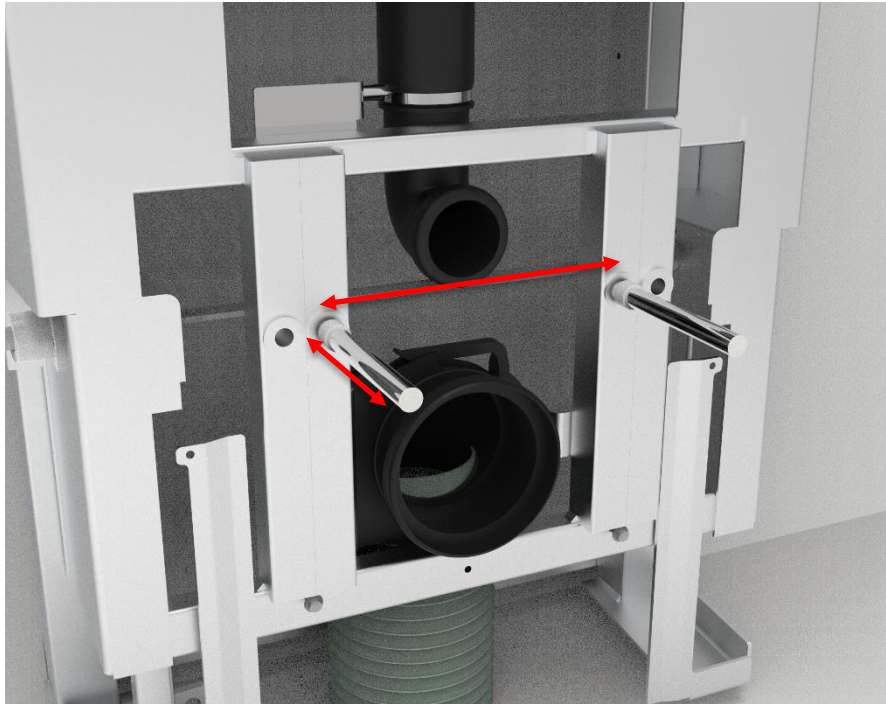




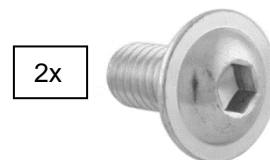
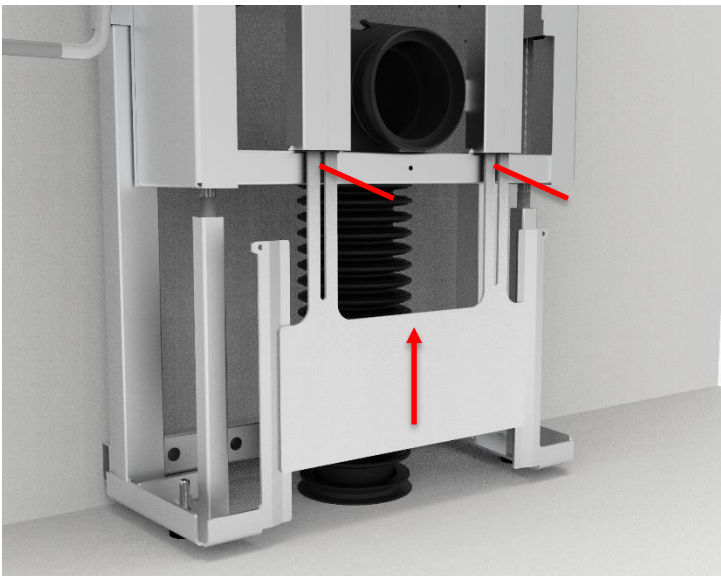
Mount the bellow as shown below for correct flow

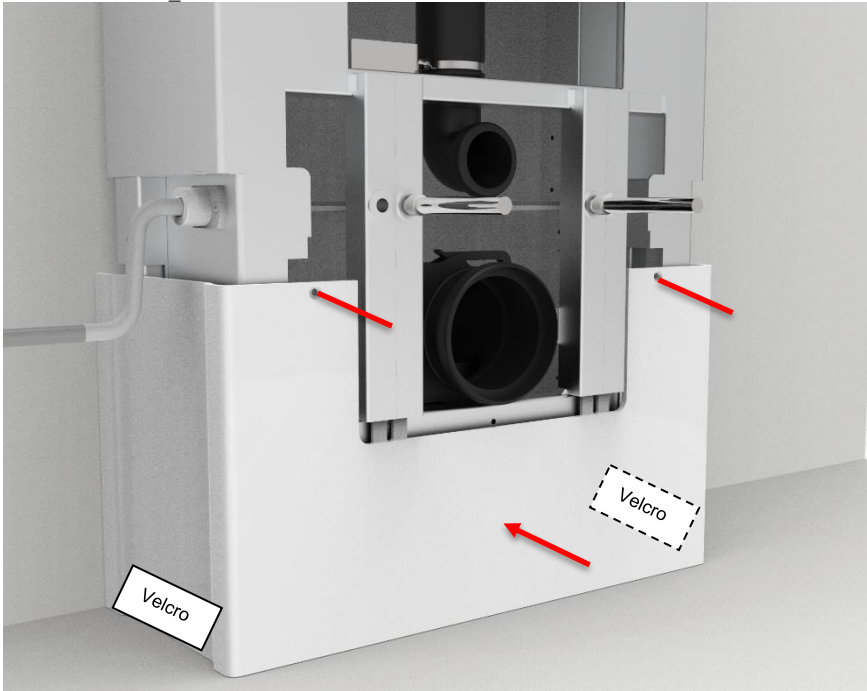


e. Cut threaded rods to length and secure them in the frame.



f. Mount inner covers 1 and 2





2x



g. Mount outer cover



h. Shorten Ferrule and flush pipe to length and mount them



i. Mount the toilet and press pad



j. Finish the installation by checking:



1. Rigidity test, sit on the toilet and check screw connections are firm.
2. Check full travel of the product goes unhindered
3. Check flushing and leaks.

4.2 Operating the product

Adjusting the height is done by turning the crank.



Warning!

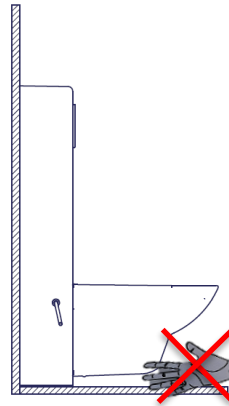
The product should always be able to travel the full range of actuation without colliding with objects. Failing to do so will compromise the product stability. Special care should be taken in ensuring that no children or adults are sited under the product as severer injury from entrapment may occur.

4.3 Residual risk

Warning



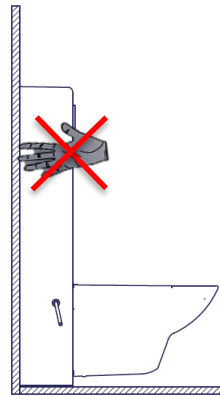
Be aware that there are no persons, body parts under the toilet when it is driven down, as a danger of clamping may occur.



Caution



Do not place the hand between the wall and the movable cover, as a danger clamping may occur.



Warning



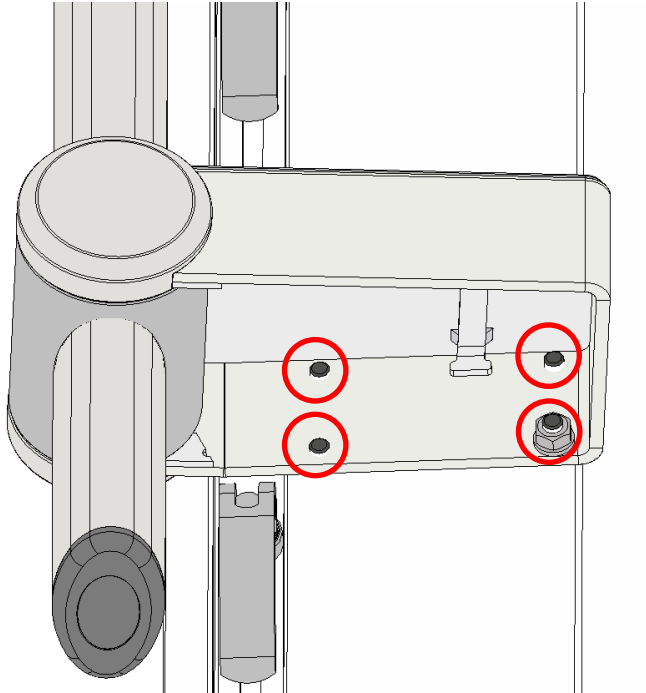
In case of incorrect installation of plumbing parts, water leaks can occur on the floor, which may increase the risk of falling.



4.4 Installation of accessories

4.4.1 Installation of height adjustable toilet support arms

- a. attach housing to the profile with 3x M6x12 and 1x M6x16. Use a locking nut on M6x16.



- b. Mount M6 buttonhead screws on both sides. Leave about 5mm clearance between underside of screw head to the plastic cover.



c. Slide the assembly on the two screw heads and attach the assembly with the two clamps as shown on the next image.





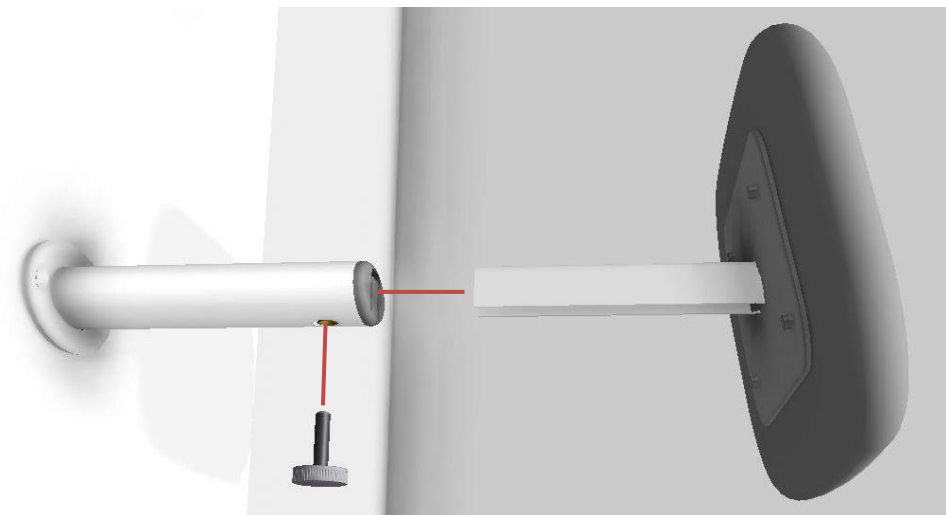
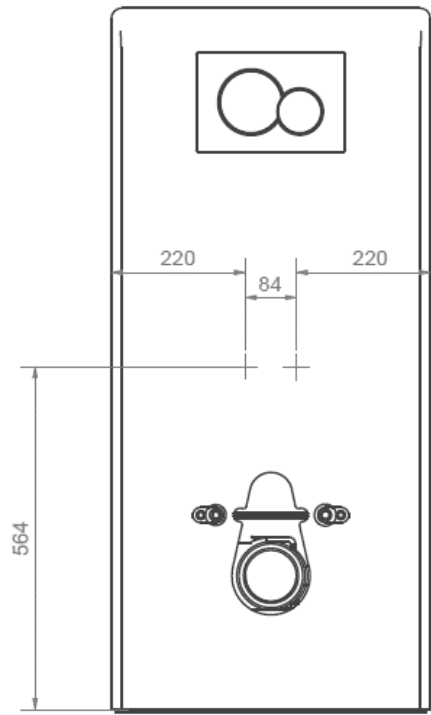
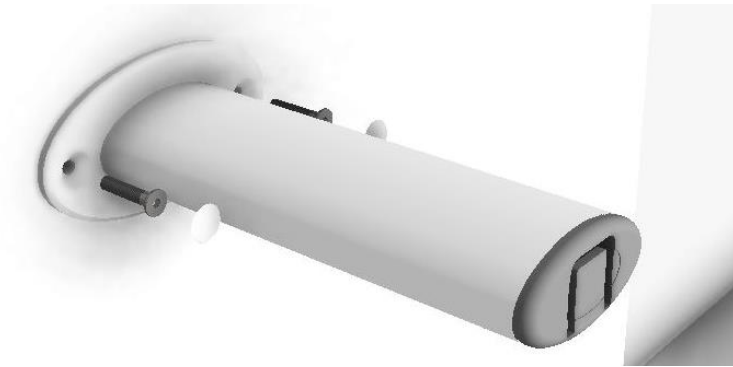
d. Put on the end rubber cover.



4.4.2 Installation of backrest


If Ropox Back Support, long is ordered together with Ropox Toilet Lifter, there will be pre-drilled holes in the cover cap. If the back support is ordered later for subsequent mounting, please see the dimension drawing for the location of holes.

2 M5x16 are used.



5. Cleaning


Cleaning can be done with lukewarm water and a suitable all-purpose cleaning agent. Use a cloth or soft sponge to wash the product. Dry the product with a wrung cloth.

	<p>Notification! Do not use cleaning agents containing abrasive e.g. scouring powder, steel wool, scouring sponge.</p> <p>This product is not designed to be sterilized. Autoclaving and sterilization beyond normal cleaning as this may possibly change product safety and function.</p>
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Preapproved cleaning agents

Tradename	Solution
Acticlor plus	1000ppm
S90 sanirens	1-3% peracid
FUTUR, Alkalisk rens	1% Solution [pH 9,5]

6. Maintenance

	<p>Notification! Failing to comply with periodic maintenance may result of degrading of product function and safety.</p>
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6.1 Periodic maintenance

Component	Maintenance activity	Maintenance interval	Registration date of maintenance
Geberit Sigma 12 cistern	Descaling / change of worn components	6-12 months dependent on calcium content in water	

7. Components part list

	<p>Notification!</p> <p>Ropox will make parts list available for extraordinary maintenance and repair beyond what is described in this manual. Repair beyond what is described in this manual may only be done</p>
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by Ropox designated service personnel.

8. Environmental protection

The product is not intended to be disposed as municipal waste. Proper disassembly, sorting and disposal of components must be done by waste disposal professionals.



Part	Disposal recommendation
Frame	Steel
Cistern	Hard plastic Polystyrene
Covers	Hard plastic (ABS/PMMA)
Height adjustable toilet support arms	Steel

9 Accident reporting

The manufacturer of this product recommends any accident with this product that meets all of the following criteria reported to the appropriate authority as well as to the manufacturer.

1. *There has been or could have been an event*
2. *The medical device is considered to be a contributing factor to the case, and*
3. *The event resulted or could have resulted in one of the following outcomes:*
 - *death - a patient, a user or a third party death*
 - *A serious deterioration of a patient's health, a user's or third party health status in the form of:*
 - *1. Life-threatening disease*
 - *2. Lasting damage or injury*
 - *3. Necessary medical or surgical treatment to divert life-threatening illness, permanent injury*
 - *4. fatal death, fetal injury or congenital abnormalities.*