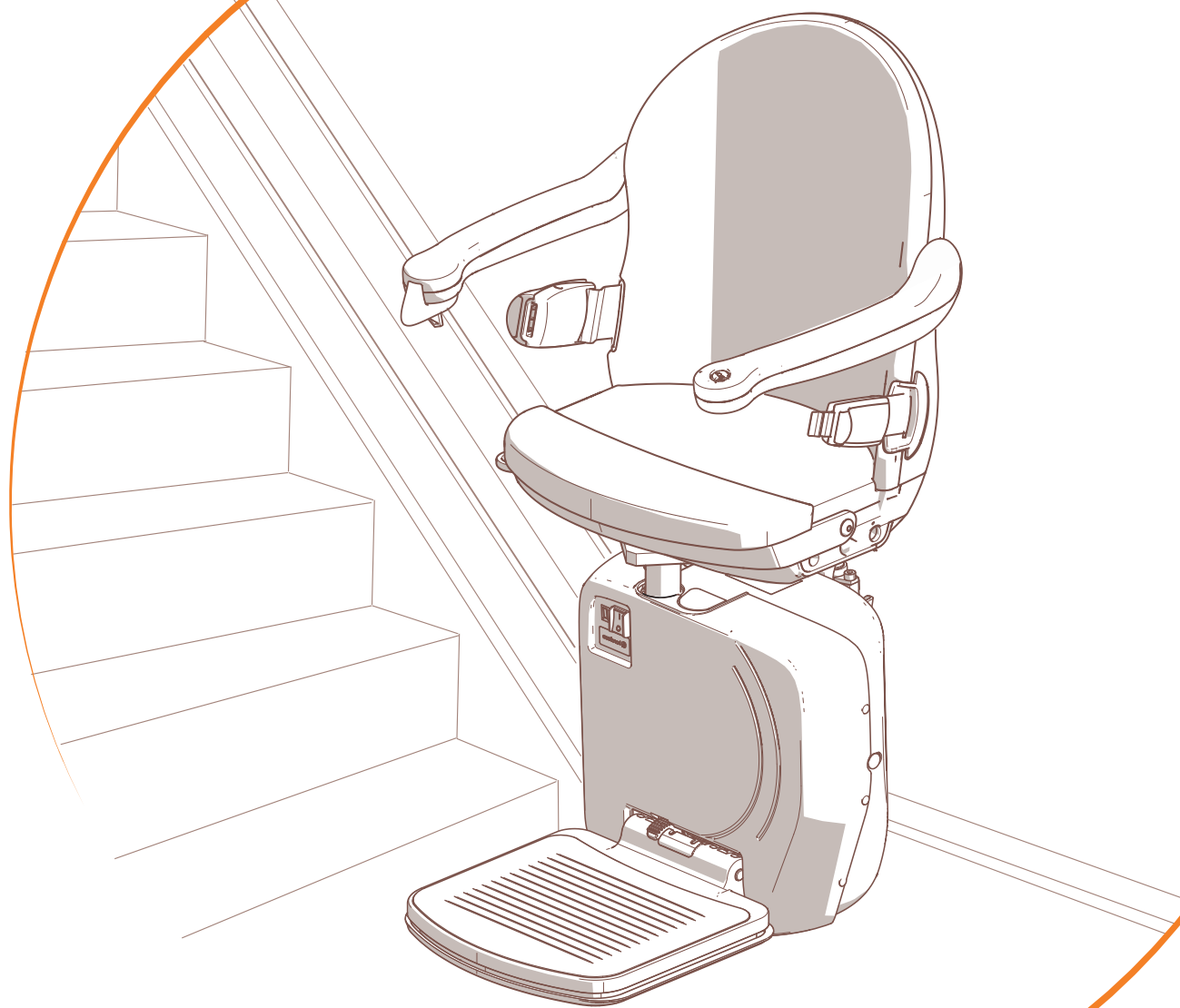









HANDICARE 4000 | SALESMANUAL



		
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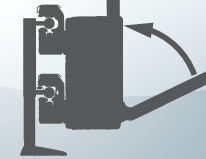
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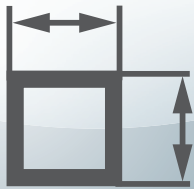
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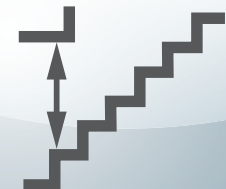
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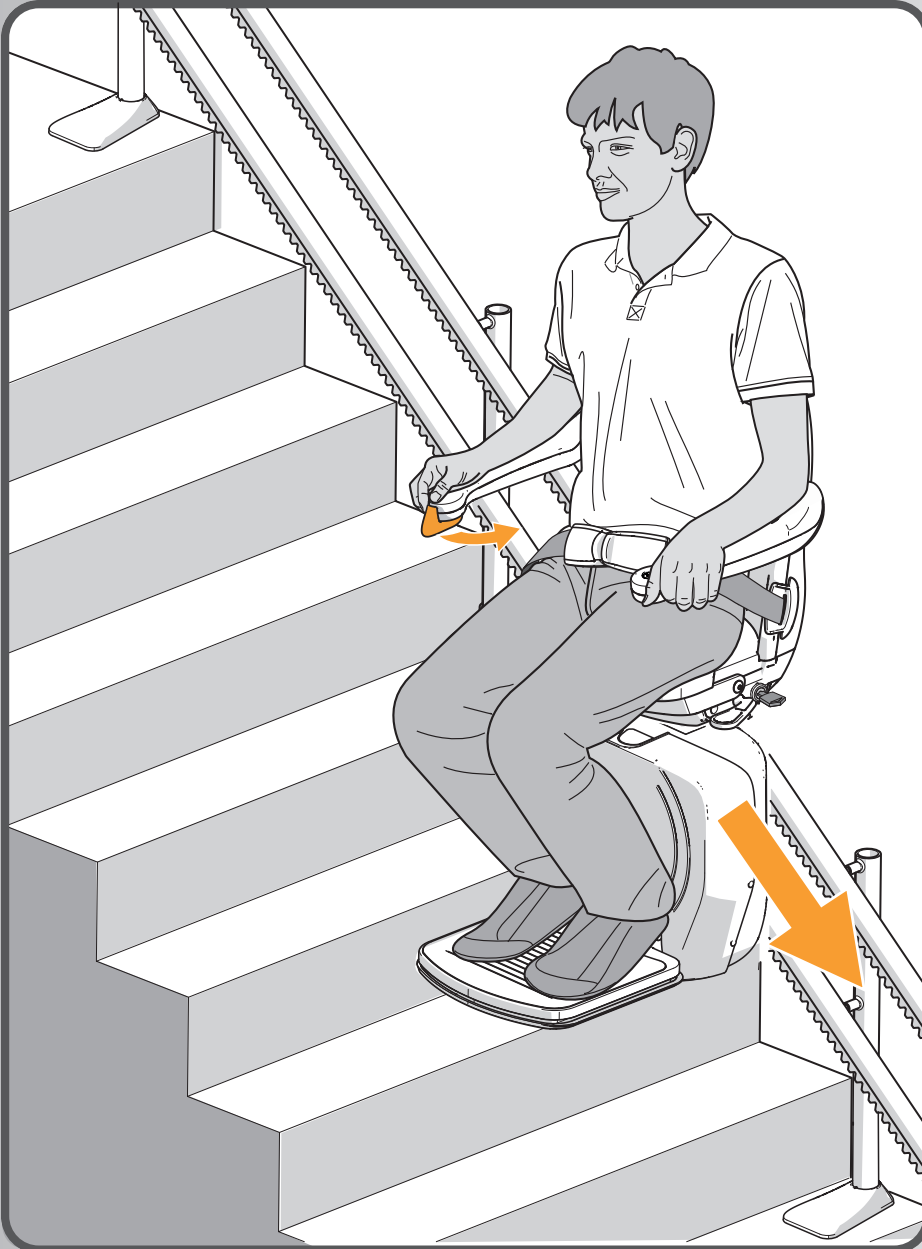
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Certificate



GENERAL

**Charging power supply**

Input voltage	100-240 VAC
Frequency	50/60 Hz
Charging current	1 Amp
Output voltage	33VDC

Power Pack

Power consumption standard lift	360 watts
Power consumption heavy duty lift	400 watts
Max weight standard lift	136 kg
Max weight heavy duty lift	160 kg
Max speed	0.12 m/sec
Trips without recharging	10
Max angle of inclination	56°

Maximum* rail length 18 m, in case inclination 0°-45°

Maximum* rail length 15 m, in case inclination 46°-56°

Maximum* rail length 15 m, in case inclination 0°-45° for Heavy duty use

Maximum* rail length 12 m, in case inclination 46°-56° for Heavy duty use

Maximum* inclination of rail 56°

*for applications where 10 starts per one hour are required

*6 metre trip, with 136 kg load at an angle of inclination 56°

Stairlift suitable for the transport of one person.





Seat types



FRONT VIEW

SMART



The Smart chair can be delivered in 4 colours.



The upholstery is leatherlook and easy replaceable.

The distance from the seat to the footrest is adjustable. For exact dimensions consult the dimension sketch on page 40.

The armrest, footrest and seat fold up separately.

The chair turns eccentric in the direction of the top stairs which enables the user to get closer to the landing to get on and off the seat more safely.

It is not possible to ride in a swivelled position.

The footrest does not swivel with the seat.

Powered swivel seat is optional.

The powered footrest (powered from the arm) is optional.

Standard, small and offset footrest.

The seat can be fitted with an extended seat base which increases the seat depth from 360 to 425 mm.

The width of the armrests is adjustable with spacers. For exact dimensions consult the dimension sketch on page 41.

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



home



 handicare

FRONT VIEW

SIMPLICITY



The Simplicity chair can be delivered in 1 colour.

The upholstery is Vinyl, colour sand.

The armrest, footrest and seat fold up separately.

The chair turns eccentric in the direction of the top stairs which enables the user to get closer to the landing to get on and off the seat more safely

It is not possible to ride in a swivelled position.

The footrest does not swivel with the seat.

No powered swivel seat as an option.

The powered footrest is optional (powered from armrest).

Standard, small and offset footrest.

The distance from the seat to the footrest is adjustable. For exact dimensions consult the dimension sketch on page 42.

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



home



 handicare

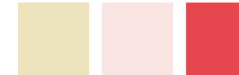
FRONT VIEW

STYLE



The upholstery is available in 3 colours:

- Vinyl (beige)
- PU leather (white)
- Fabric (red)



The distance from the seat to the footrest is adjustable. For exact dimensions consult the dimension sketch on page 42.

The armrest, footrest and seat fold up separately.

The chair turns eccentric in the direction of the top stairs which enables the user to get closer to the landing to get on and off the seat more safely.

It is not possible to ride in a swivelled position.

The footrest does not swivel with the seat.

The powered footrest is optional, powered from armrest.

Standard, small and offset footrest.

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



home



 handicare

FRONT VIEW

SMART PERCH



For clients with poor knee flexion or hip problems.

Also good for narrow staircases.

Not with powered hinge.

Not with powered swivel / manual swivel.

With large footplate only.

A powered footrest only by switch under the armrest. The 4000 is advised to have an overrun at the top. Rated load: 136 kg.

Not outdoor.

The distance from the seat to the footrest is adjustable. For exact dimensions consult the dimension sketch on page 44.

Safety barriers can be recommended on the downside of the stairs.

Customers standing height +375 mm must be less than bulkhead height.

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



home



 handicare

FRONT VIEW

CHILD SEAT



4 sizes.

The 4000 can be fitted with an R82 Adapter Plate which allows a child seat to be fitted.

Handicare supply the adapter but the seat must be ordered from the manufacturer in the required size.

Can swivel at the top of the stairs.

No toggle: operation by remote control only.

Adjustable footrest (height, angle).

The lift is delivered with the standard footrest. Headsupports in different shapes and sizes.

Choice of seatbelts.

For more information: www.r82.co.uk

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



home



 handicare

FRONT VIEW



OUTDOOR

The differences between the IP4X version of the Handicare 4000 and the standard model are as follows:

- Painted plastic covers on powerpack for improved UV resistance
- Zinc plated rail (rail and gear rack) with painted stanchions
- Conformal coating applied to the main controller (HAN125).
- Grey slate coloured upholstery.
- Rubber footplate mat.
- IP 44 rated storage cover for seat and powerpack.
- The high voltage part of the power supply shall be installed indoors.

No hinge.

No perch seat.

No powered swivel or powered footplate options.

SEAT TYPES

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT

CHILD SEAT

OUTDOOR SEAT



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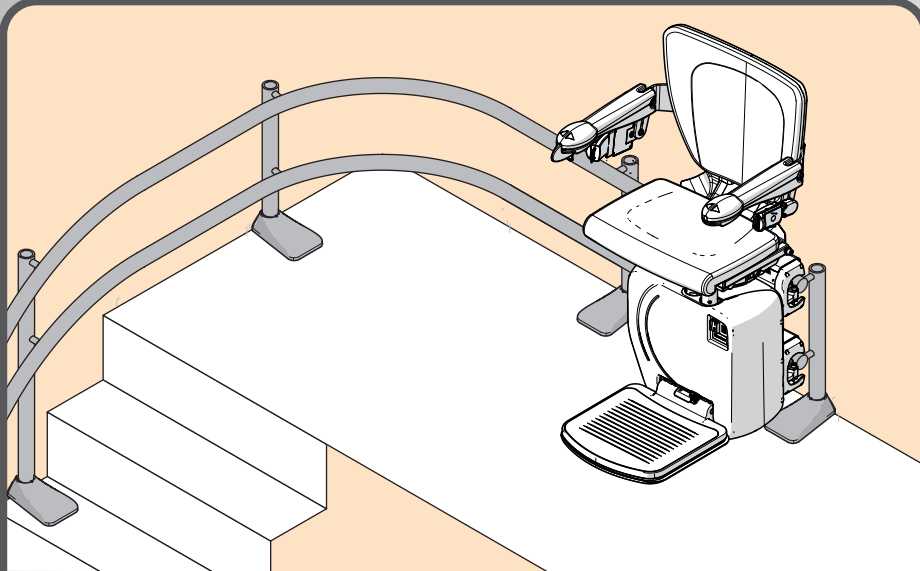


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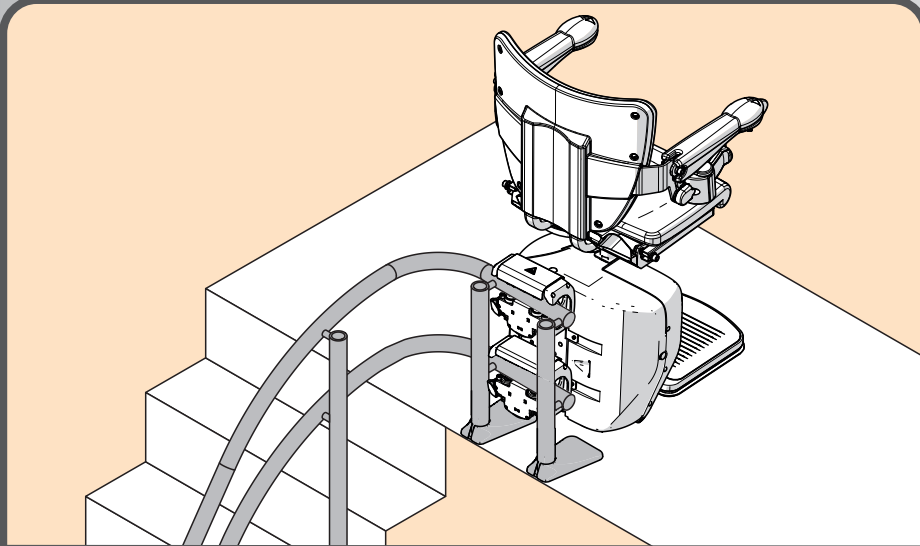


Lift types





OUTER SIDE



INNER SIDE

Secure twin rail system (38,1 mm).

Toothrack on both rails.

Tightest inside curve in the market.

The rail of the Handicare 4000 stairlift is mounted on the outer side or the inner side of the stairs.

If 10 starts an hour are required.

Longer rails are possible when the lift is used in a lower frequency.

Both internal and external bends can be incorporated in a single length of the Handicare 4000 rail.

LIFT TYPES

4000

LEFT/RIGHT HAND

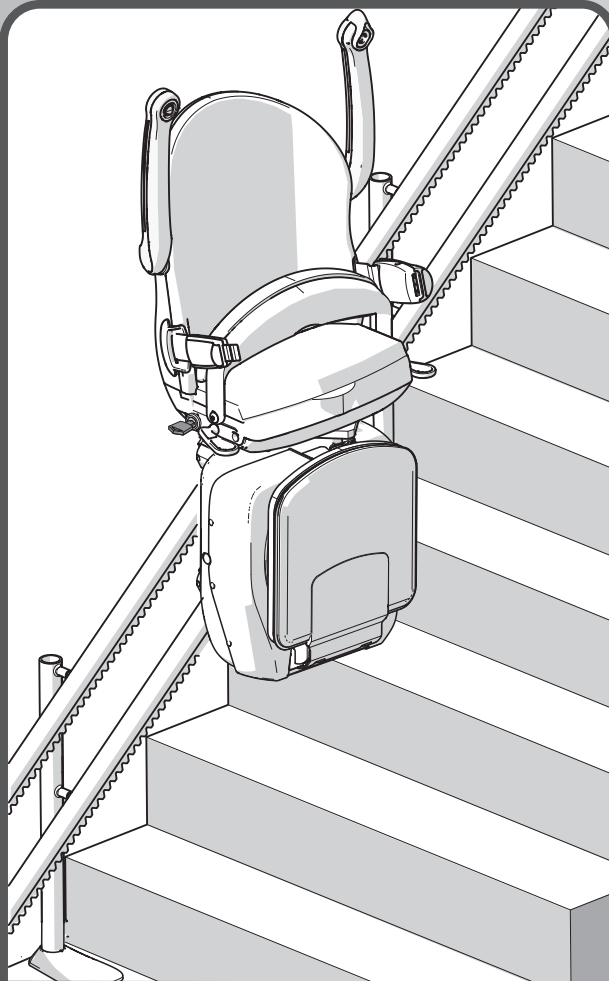


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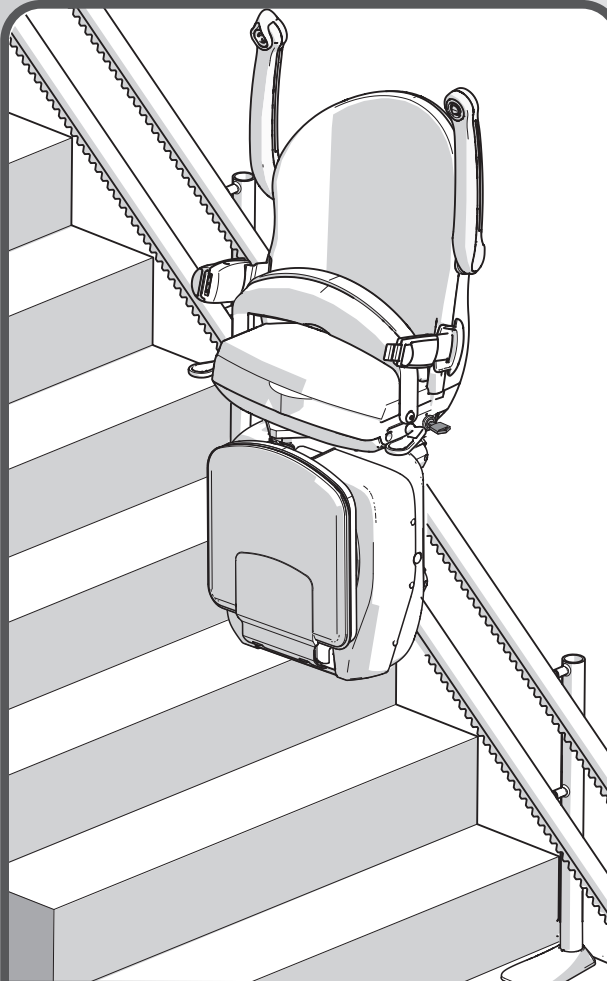


3D-VIEW

LEFT/RIGHT HANDED



LEFT HANDED



RIGHT HANDED

The side on which the rail is mounted when viewed from the bottom of and facing the stairs determines whether the model is a left-hand or a right-hand version.

The position of the toggle is stated when sitting on the chair.

LIFT TYPES

4000

LEFT/RIGHT HAND



home



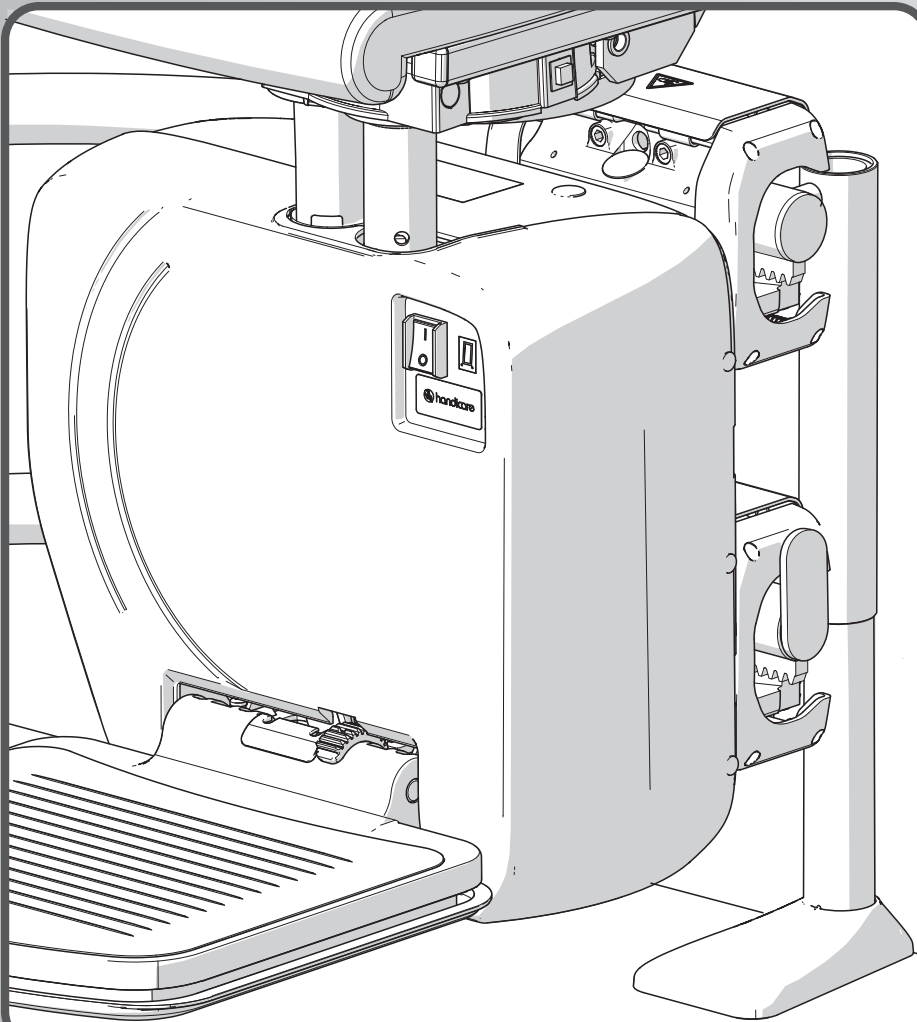
 handicare



Lift parts



THE UNIT



There is on only one trunnion.

Ignoring all of the options such as different RF frequencies, footplate types, etc... there are 4 different powerpacks

- LH/RH Standard Powerpack
- LH/RH Hinge Powerpack
- LH/RH Outdoor Powerpack
- LH/RH Heavy Duty Powerpack

Standard powerpacks can be upgraded to a hinge powerpack.

A lift with a powerpack suitable for hinge can be used in combination with internal curves.

Outdoor powerpack has the UV painted plastic covers and coated HAN125.

Heavy duty powerpack has a larger motor gearbox, and different seat stem brackets.

The powerpack has as standard an overspeed governor that activates the safety brake in case of overspeed.

The safety brake will stop the lift mechanically.

The powerpack and the trunnions are standard provided with sensitive edges, that when meeting an obstruction stops the lift.

You can move the lift in the opposite direction to remove the obstacle.

PARTS

UNIT

BATTERIES

FOOTREST

SAFETYBELT

ARMREST

SWIVEL

CONTROL

USER INTERFACE

KEY SWITCH

ON/OFF-SWITCH

EMERGENCY STOP

REMOTES

POWER SUPPLY

RAIL

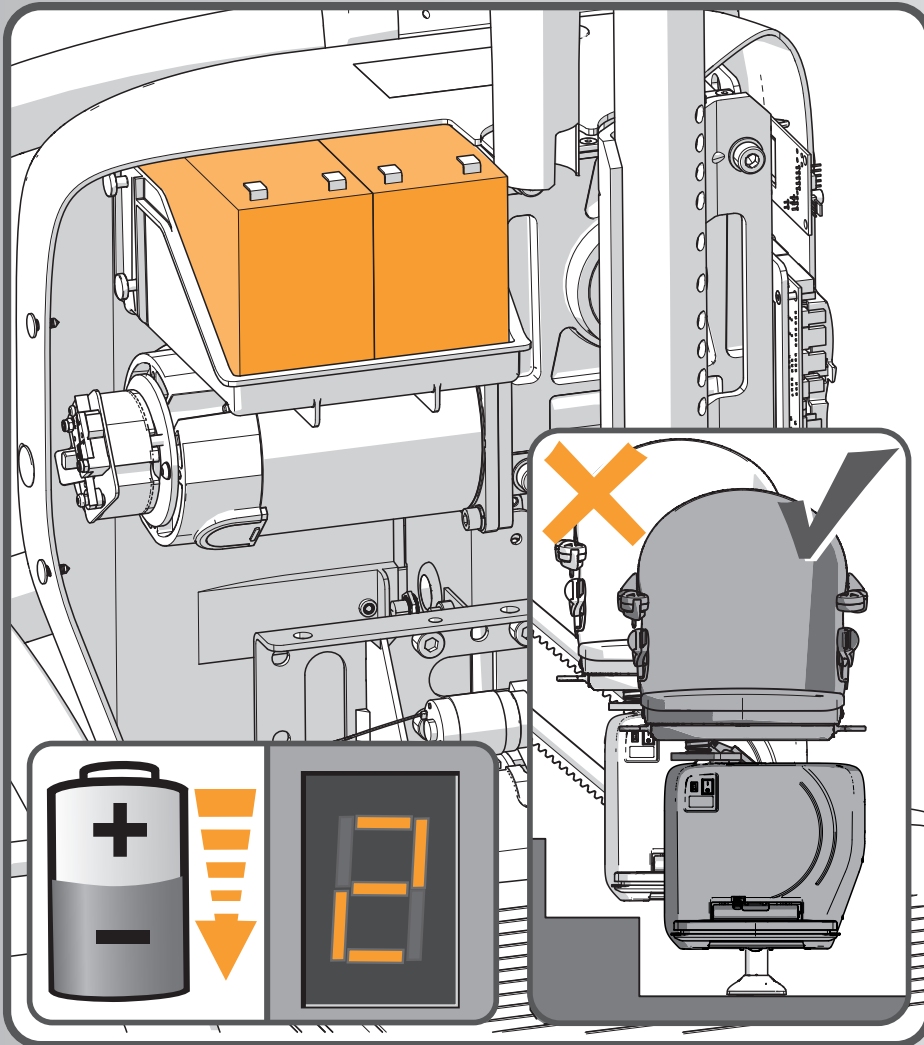
CHARGING POINTS



home



THE BATTERIES



The powerpack has 2 batteries of 12 V=. The expected useful life of the batteries is 3 years, depending on the usage intensity and the conditions.

Power consumption less than 8 Euro a year.

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KEY SWITCH

ON/OFF-SWITCH

EMERGENCY STOP

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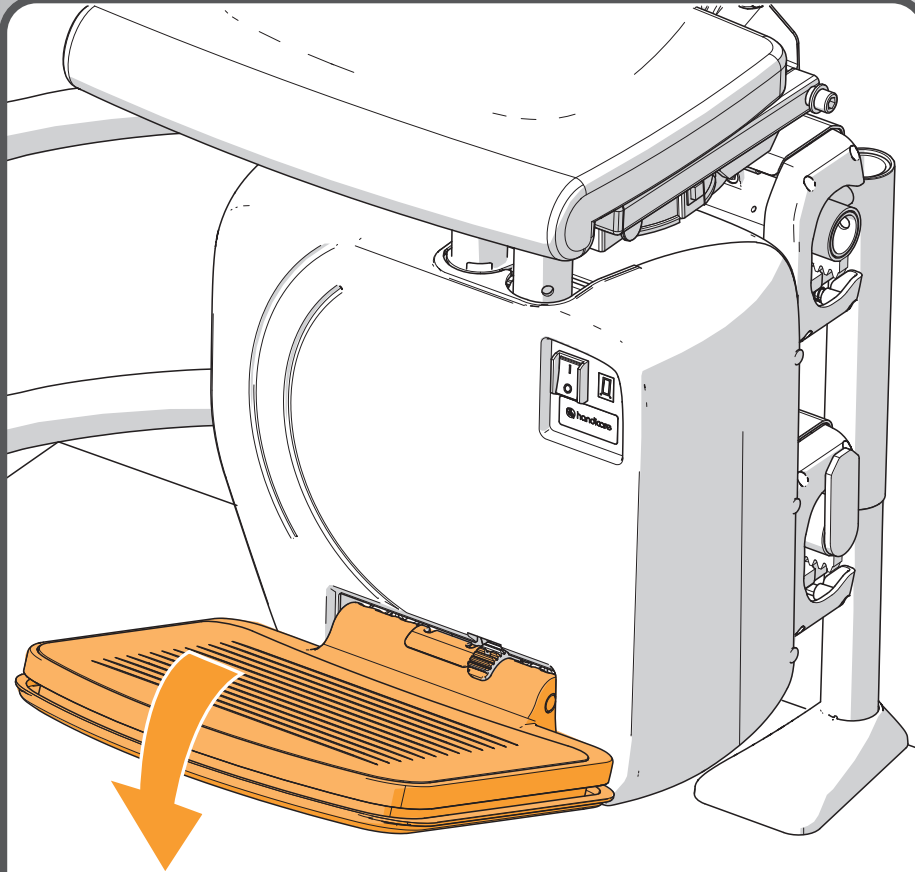
home



handicare

3D-VIEW

THE FOOTREST_folding



Manual.

Option powered footrest.

Folding mechanism also functions if the chair is swiveled.

The folding of the footrest can be done on any position of the rail.

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ARMREST

SWIVEL

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ON/OFF-SWITCH

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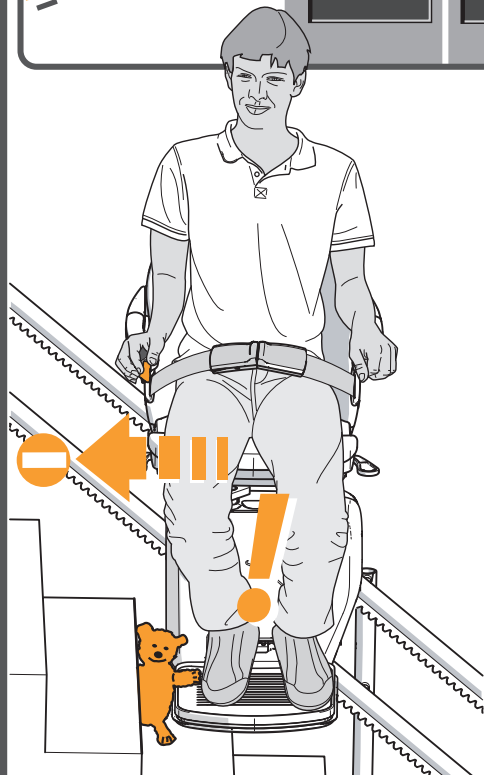
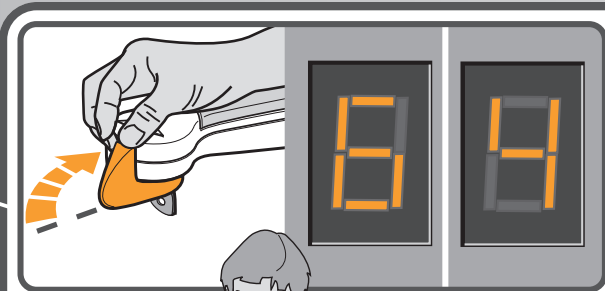
POWER SUPPLY

RAIL

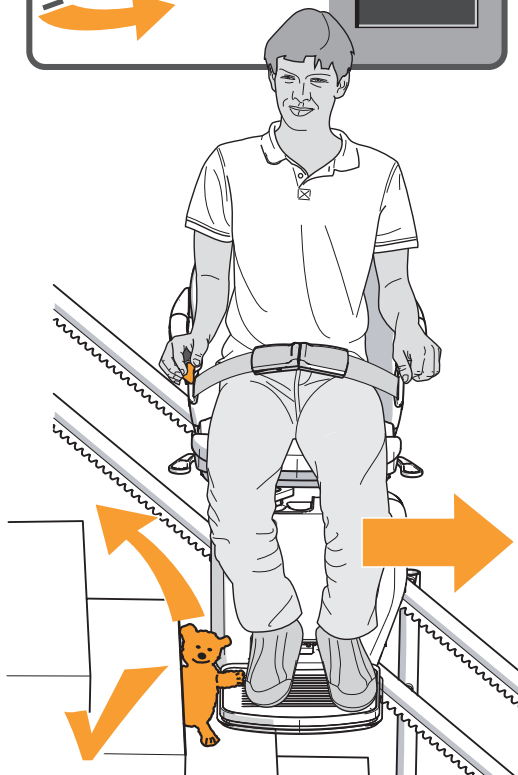
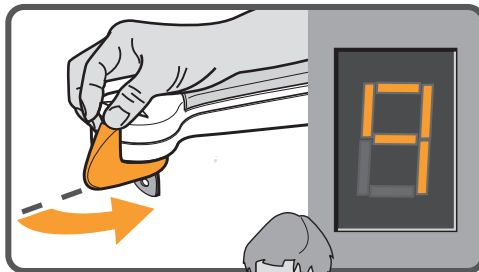
CHARGING POINTS



THE FOOTREST_dection



CAUSE



SOLUTION

Footrest detection:

- Both sides
- Frontside
- Underside
- Underside when folded

The chair lift stops automatically in the event that an object becomes jammed between the foot-rest and the stairs.

The stairlift can move again only once the control on the chair or the remote control has been used to move the lift in the opposite direction and the obstacle has been removed.

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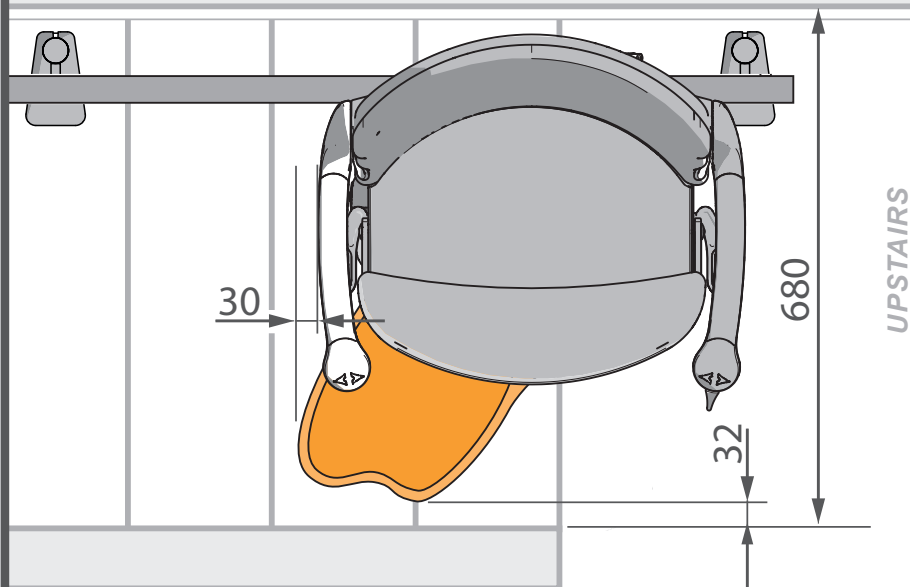
CHARGING POINTS



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THE FOOTREST_position



OFFSET FOOTREST

The offset footrest

A minimum overrun of 150 mm is required due to the gap between the front edge of the footplate and the landing at the top of the stairs.

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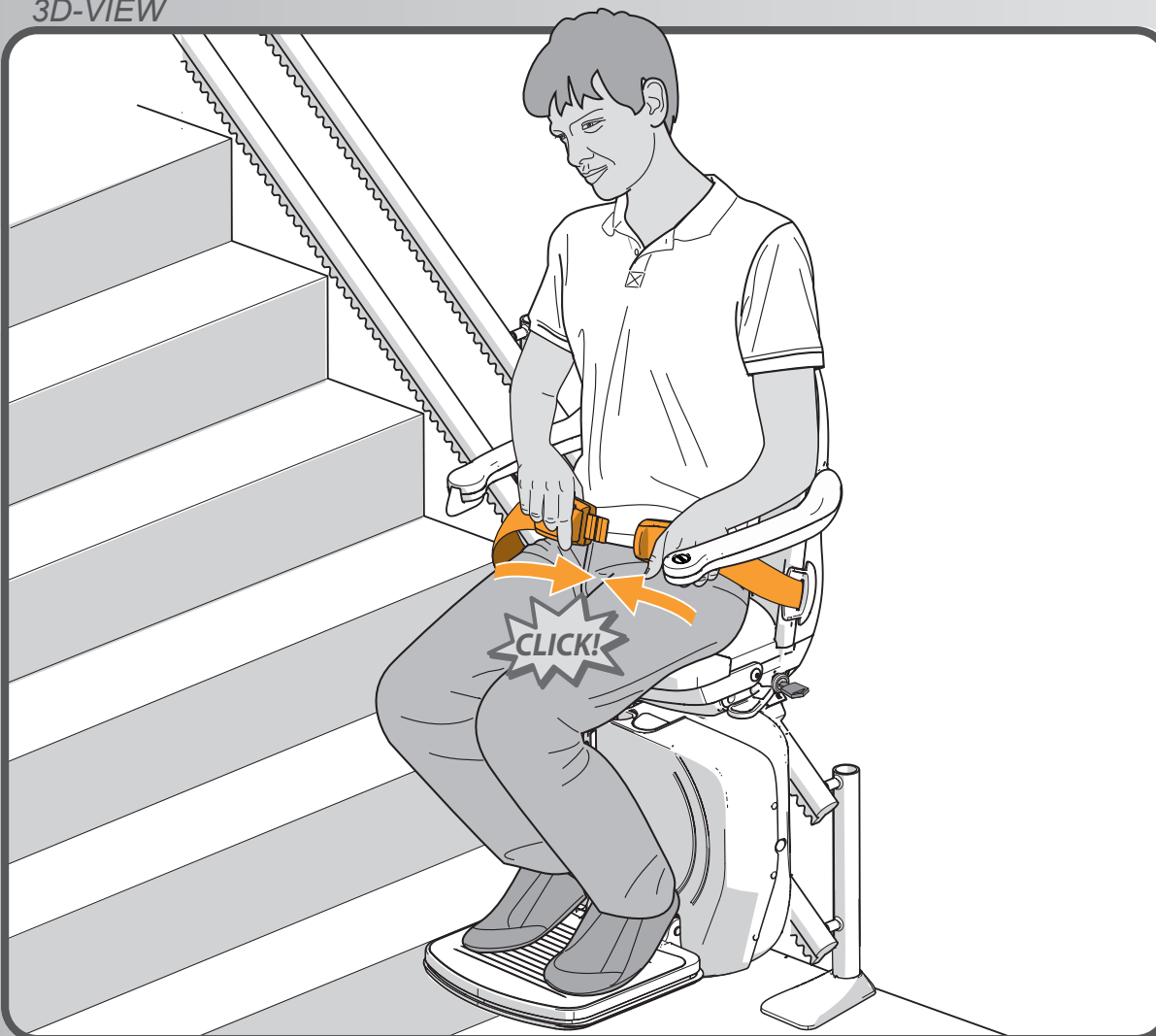
POWER SUPPLY

RAIL

CHARGING POINTS



THE SAFETY BELT



Standard:

Smart seat:	Retractable seatbelt i-clip fixing in the centre
Style seat:	Retractable seatbelt offset fixing
Simplicity seat:	Clip seat belt

Optional seat belts are:

- Velcro seat belt
- XXL velcro seat belt
- Body Harness

Shoulder width for body harness can be:

- Small 28-33 cm
- Medium 33-41 cm
- Large 41-48 cm

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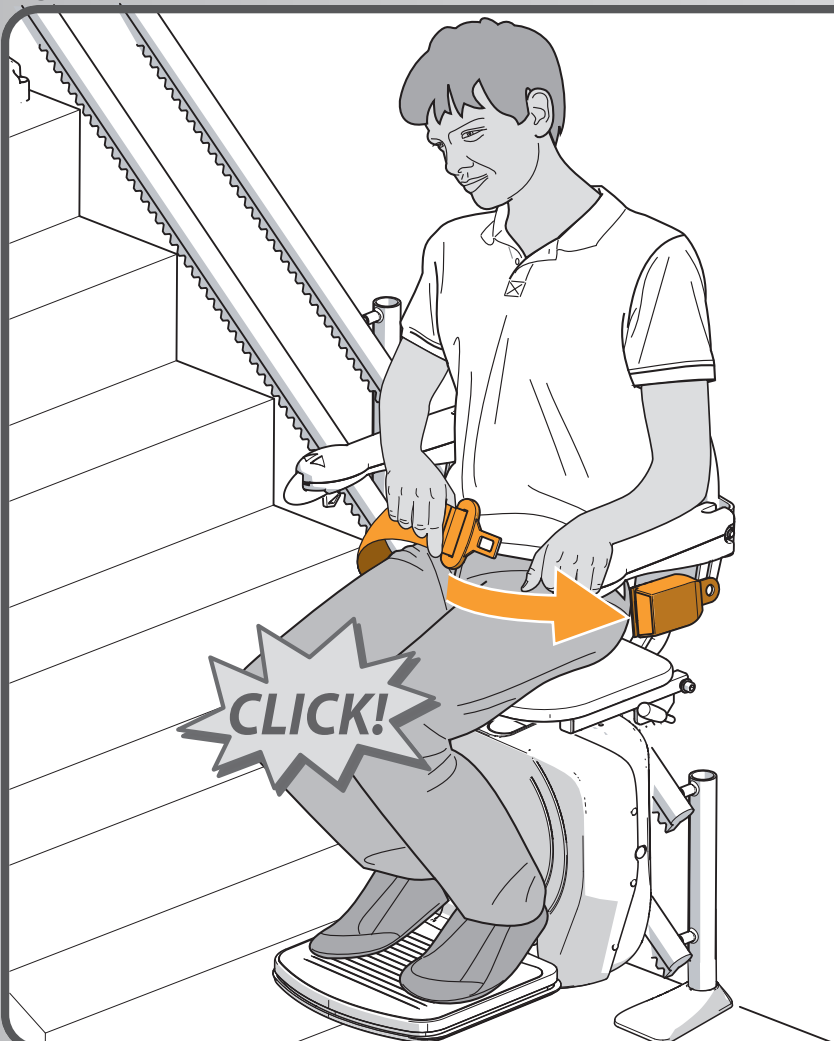


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THE RETRACTABLE SAFETY BELT

3D-VIEW



The safety belt is a model designed especially, whereby an ingenious pawl mechanism prevents the belt from extending once it has been secured in the buckle.

The safety belt has a safety feature, which prevents the user to tilt with low speed movement. There is no delay between bending forwards and pulling straight the safety belt.

The safety belt is of the roll up type so in the unused situation there are no parts left about.

The safety belt automatically adjusts to the user, so the lift can be used by persons of different size.

The position of the buckle and the holder is adjustable for each user.

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 handicare

FOOTREST RESTRAINTS

3D-VIEW



Feet restraining strips can be fitted as an option where users need to have feet held safely in place during travel.

Two types can be supplied:

- Clip
- Velcro

Should only be used with a carer in attendance

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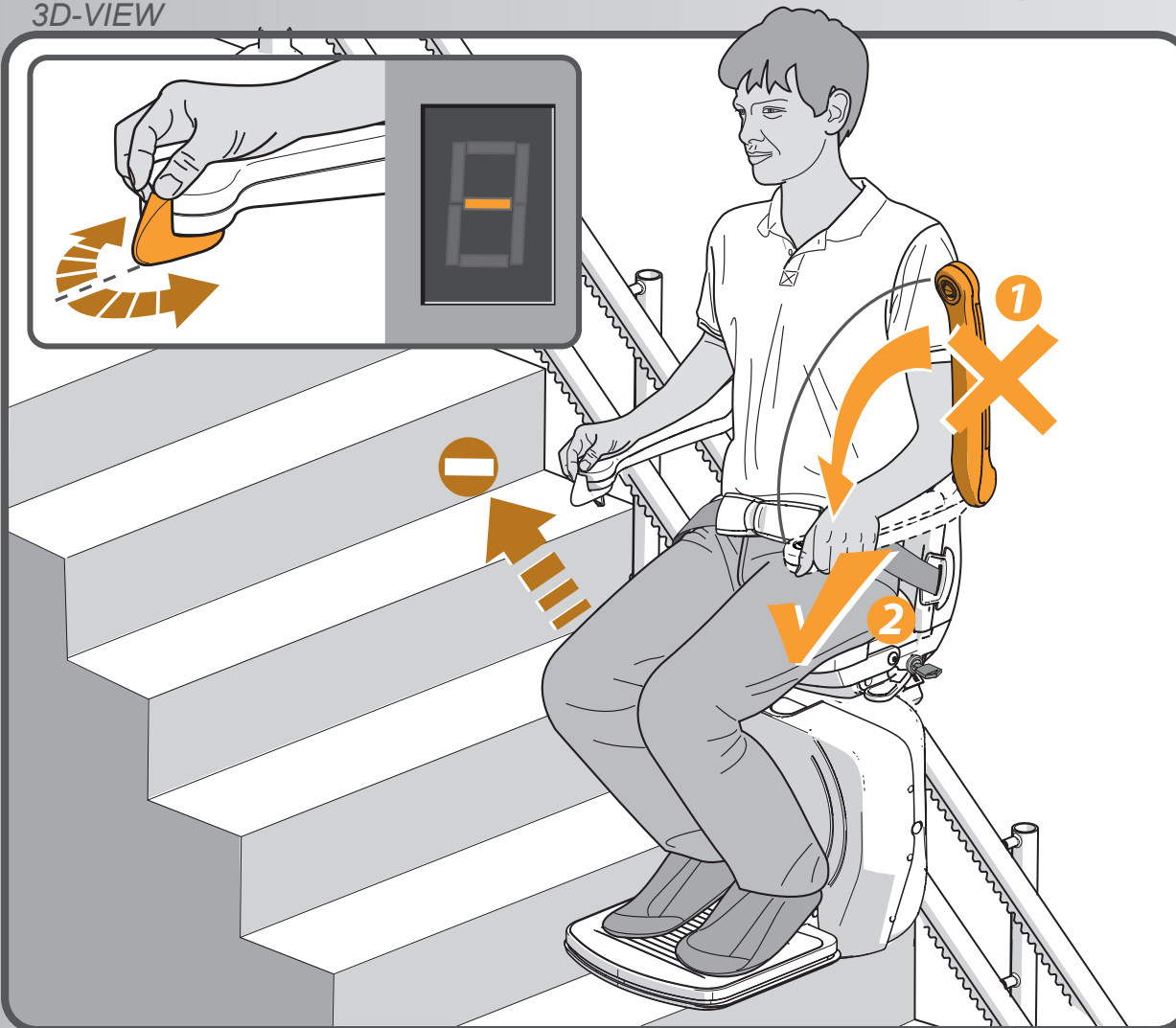
RAIL

CHARGING POINTS



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THE ARMREST



The stairlift has 2 armrests.

- One armrest with control (control on the chair, powered footrest button).
- One armrest without control (optional control of the powered footrest).

By swapping over the short armrest, the chair can be used on smaller staircases.

The control on the chair has priority over the remotes, so the user is always in control.

The chair won't operate from the chair when the armrests are not unfolded.

On the remotes the lift will also function when the armrest are folded.

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POWER SUPPLY

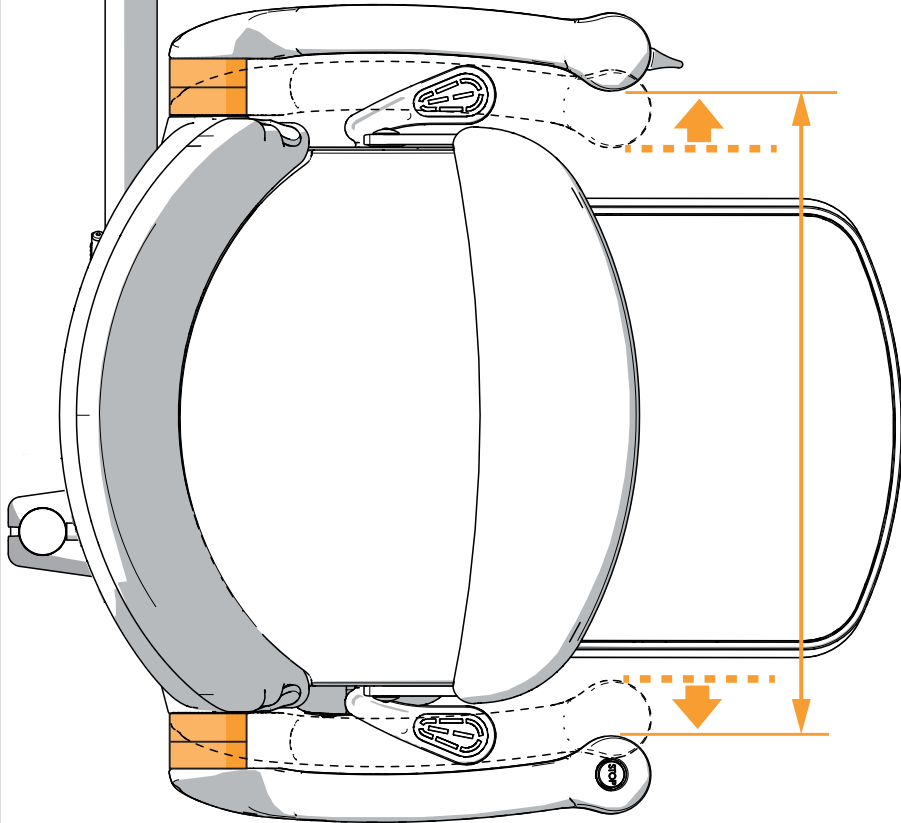
RAIL

CHARGING POINTS



3D-VIEW

ARMREST_spacers



Available for the Smart seat.

Single or double spacers available.

Standard internal width is 410 mm.

Single spacers increase this to 460 mm (+50mm).

Double spacers increase this to 510 mm (+100mm).

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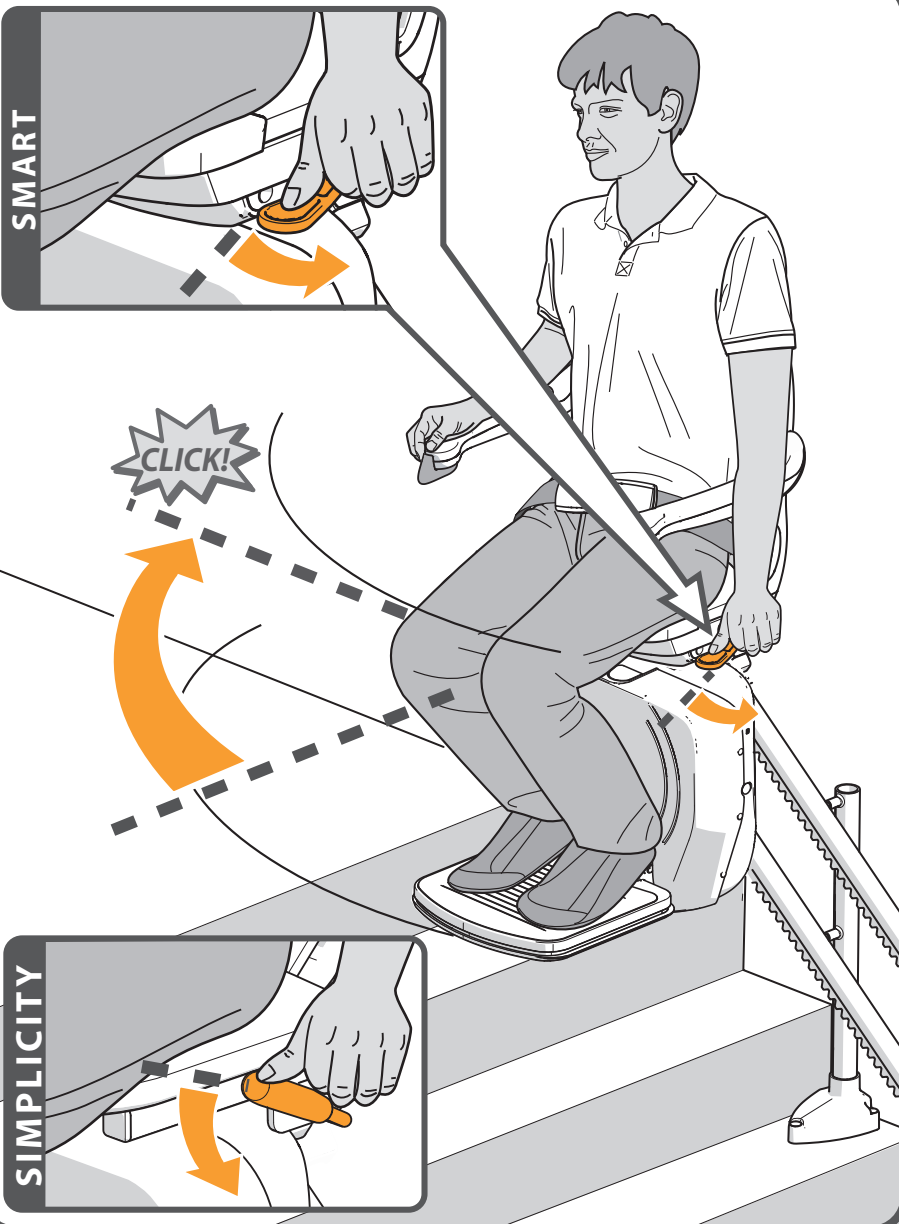


home



 handicare

THE MANUAL SWIVEL



Manual swivel standard on all seats.

The offset seat swivel enables the user to get closer to the landing to get on and off the seat more safely.

No ride possible in swivelled position.

Optional the Powered Swivel (see options).

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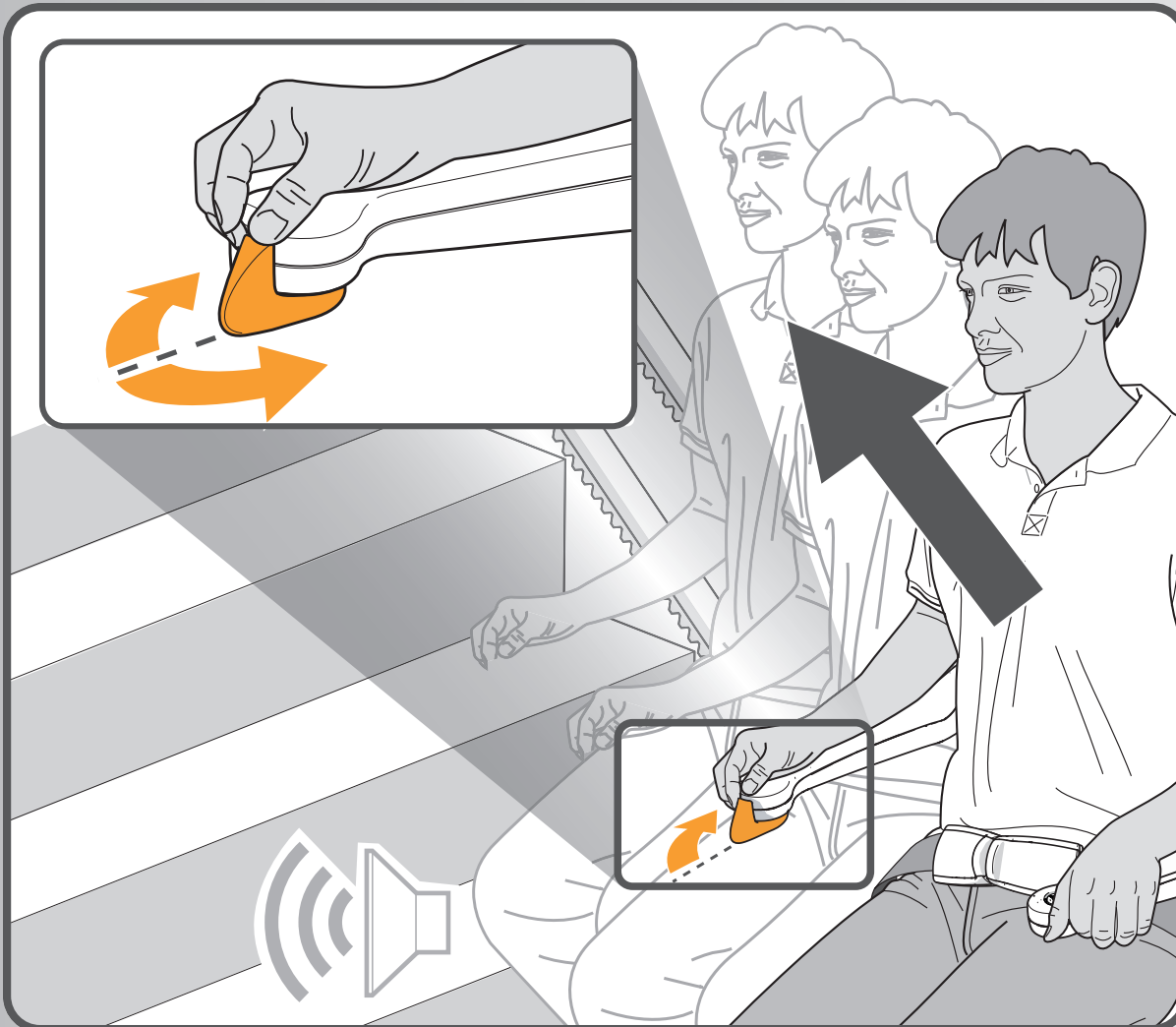
POWER SUPPLY

RAIL

CHARGING POINTS



THE CONTROL



Toggle on frontside of armrest.

The chair moves in the direction selected with the control on the chair. The stairlift stops automatically if the control on the chair is released (hold to run).

The control on the chair has priority over the remotes, so the user is always in control.

One control for all functions, run of the lift, folding hinge, powered swivel.

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THE USER INTERFACE

3D-VIEW

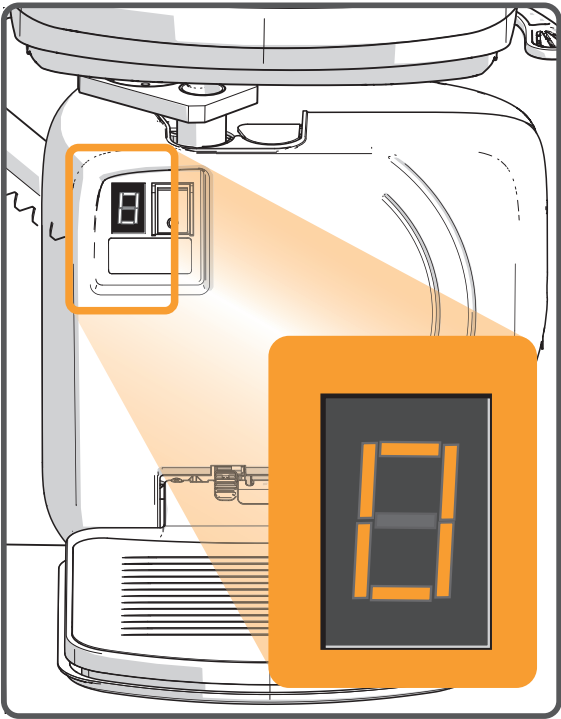
Code Código Codice Kode Kod	Display Visualización, Anzeige Ecran, Display Vise, Ostatnia, Visa	Action Acción, Maßnahme Opération, Azione Tiltak, Actie, Handling Akcja, Ação, Åtgärd	No result Ningún resultado, Kein Ergebnis Aucun résultat, nessun risultato Ingen resultat, Geen resultaat nie wynik, nenhum resultado
-			
0			
1			
2			
3			

Lift beeps when not charging.

Option: Lift beeps continually when moving, when you can not see the whole travel of the lift. This can be activated by a dipswitch setting on the pcb.

Display for user interface.

Diagnostic display codes consult manuals.



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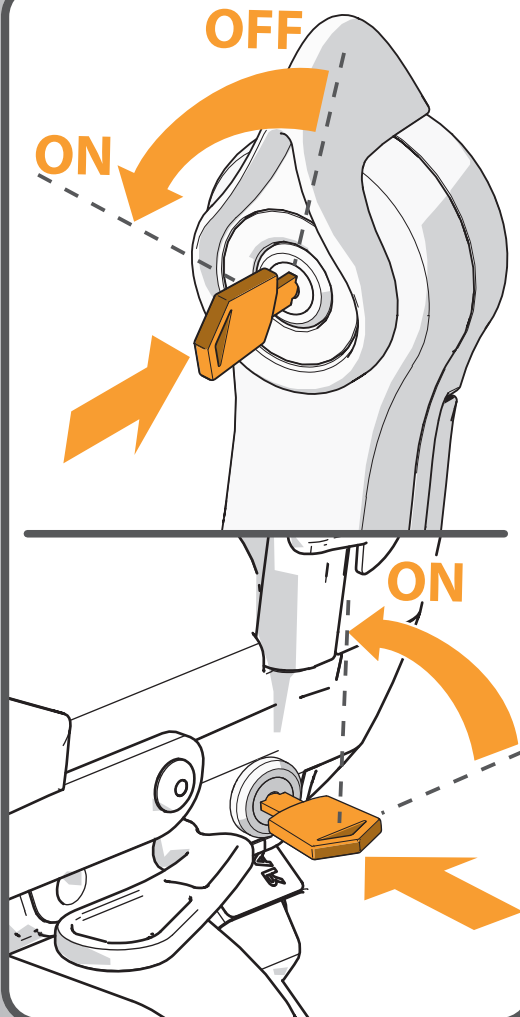
CHARGING POINTS



home



3D-VIEWS



THE KEY SWITCH

The key-operated switch is a standard fitting in the armrest, and is provided with 2 keys. Extra keys can be ordered from Handicare.

When the key-operated switch is in the "I" position the stairlift can be operated using the control on the chair or the remote control. The key can be removed when the switch is in this position.

The battery will also continue to charge when the key-operated switch is in the "O" position.

When the key-operated switch is in the "O" position the stairlift cannot be operated by either the control on the chair or the remote control. The key can be removed when the switch is in this position.

The keyswitch also switches the powered options.

On the smart seat, the keyswitch is located underneath the seat.

On the simplicity and style seat, the keyswitch is located in the armrest.

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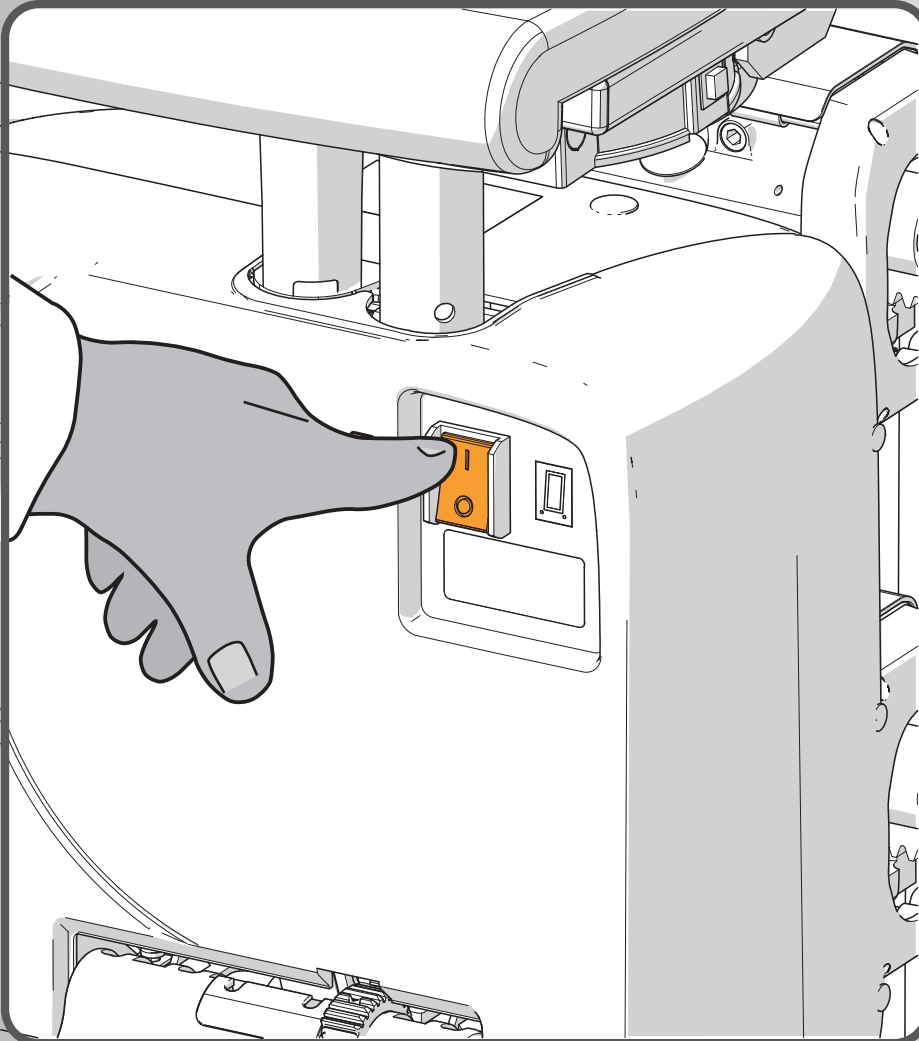
CHARGING POINTS



home



ON/OFF-SWITCH



The on/off switch is standard on the carriage and disables the power on the lift.

When switched to the off position the lift will not operate from the toggle nor the remote controls.

When switched to the off-position the lift will not charge. Even if the lift is on a charge point.

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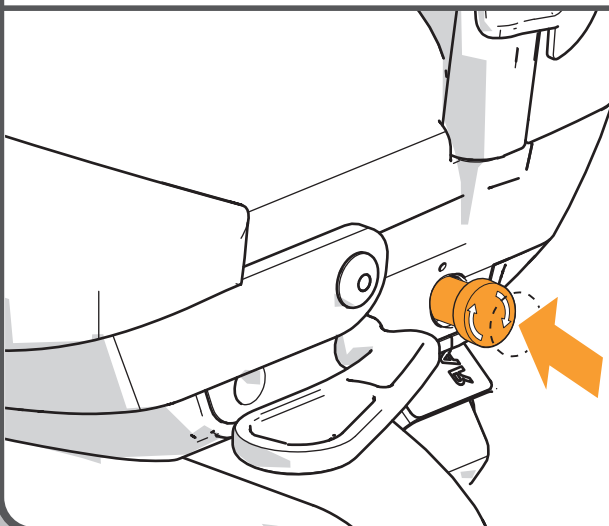


THE EMERGENCY STOP

3D-VIEW



ON ARMREST



UNDER SEAT (OPTIONAL)

In an emergency, press the stop button once. The stop button is illuminated.

The lift stops straight away.

The stop button can be released by pushing the stop button.

The mushroom type emergency stop is available as an option, if required by national regulations.

Optional: The stop button can be released by turning the stop button.

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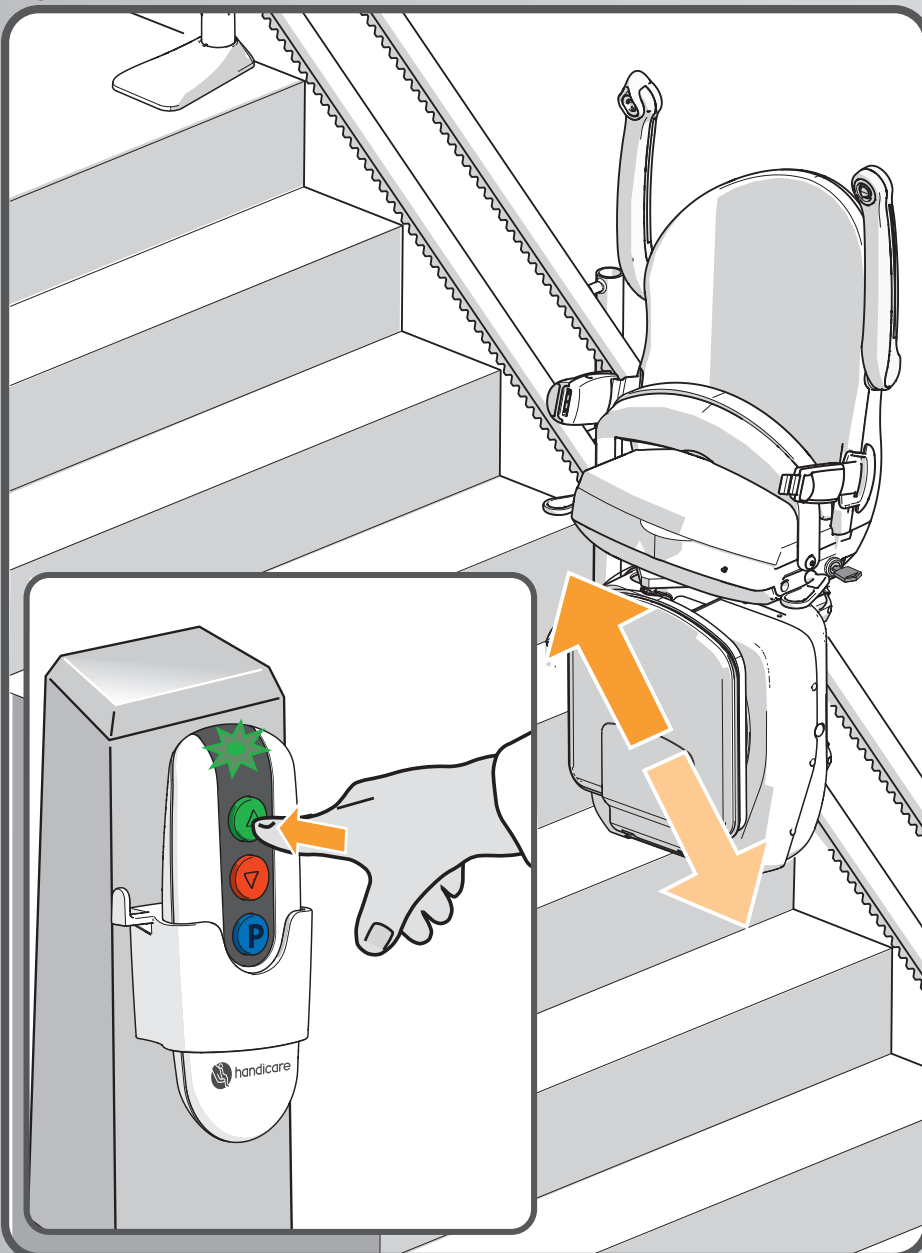


home



 handicare

THE REMOTES



The remote control has a button "up" and a button "down" and must be kept pressed in to operate the stairlift.

Remote types:

- 868 MHz (standard in Europe and ROW)
- 915 MHz (standard in North-America & Australia)
- 2,4 GHz (optional in case of national regulations or interference)

The keyswitch on the seat disables the remotes.

For a longer reach, radio signal repeaters are available.

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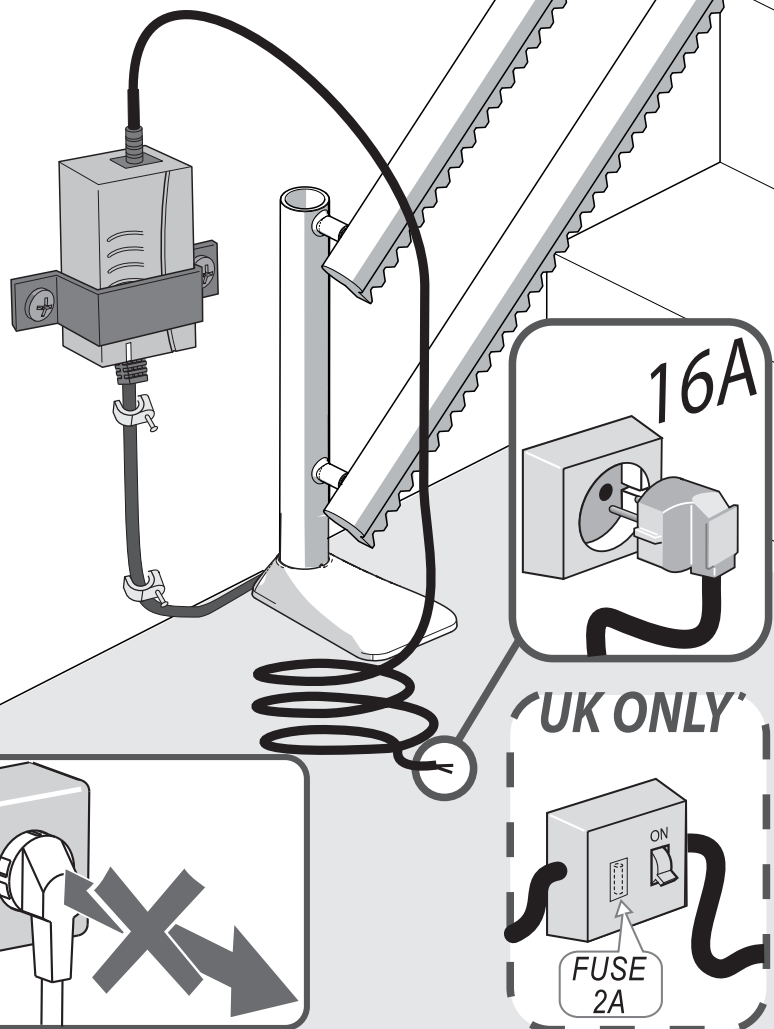
POWER SUPPLY

RAIL

CHARGING POINTS



THE POWER SUPPLY



The stairlift's power supply is obtained from a wall socket located at an overall distance of no more than 9 metres from the top or the bottom end of the rail.

The dealer will fit a plug to the battery-charger's power cable which complies with the local regulations.

The installation is connected to earth.

The power consumption of the battery charger is 36 Watt. Consequently the installation of a separate group is not required.

The dealer is responsible for compliance with the local regulations applicable to the electrical installation.

Power connection point:
Standard track can be attached Top or Bottom.

Track with powered hinge always attached at the top.

PARTS

POWERPACK

BATTERIES

FOOTREST

SAFETYBELT

ARMREST

SWIVEL

CONTROL

USER INTERFACE

KEY SWITCH

ON/OFF-SWITCH

EMERGENCY STOP

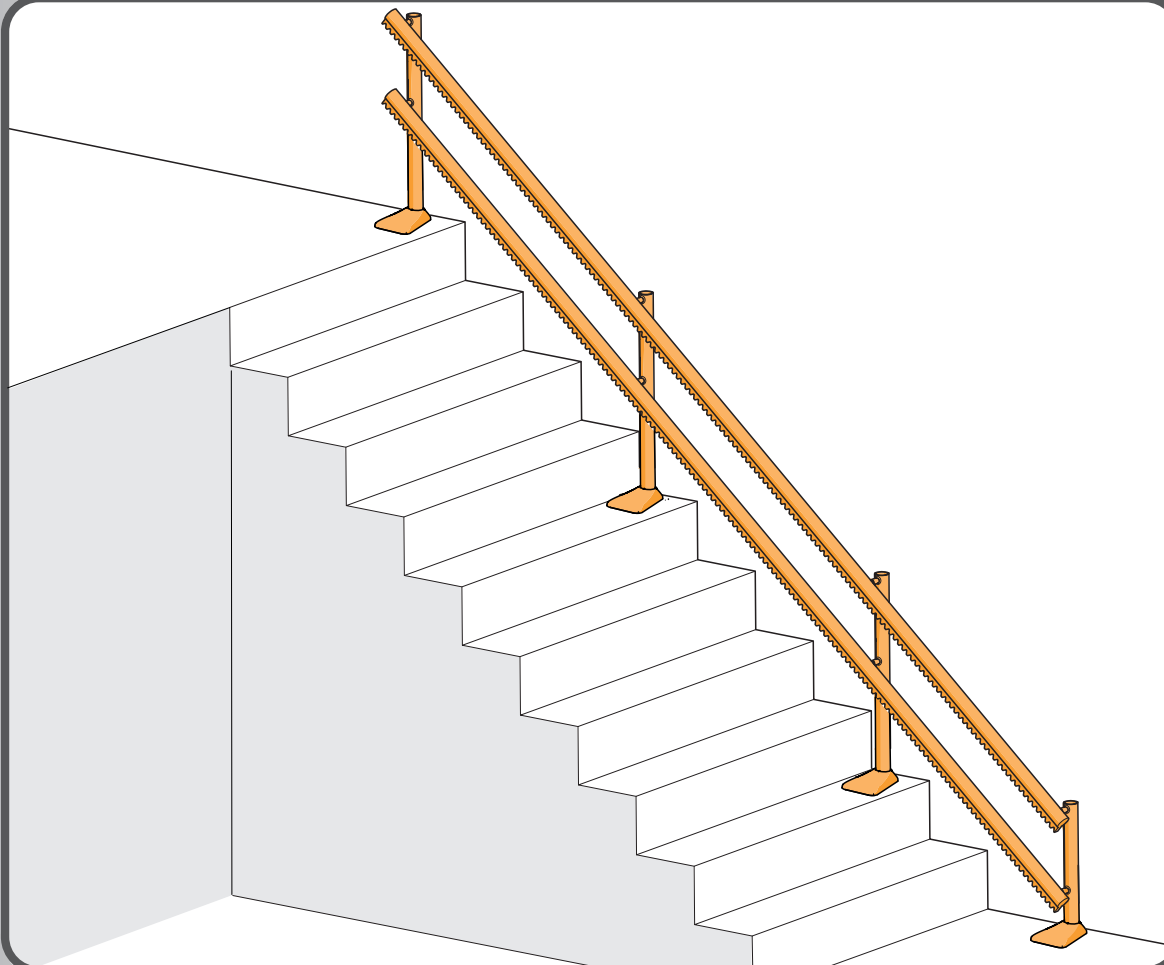
REMOTES

POWER SUPPLY

RAIL

CHARGING POINTS

THE RAIL



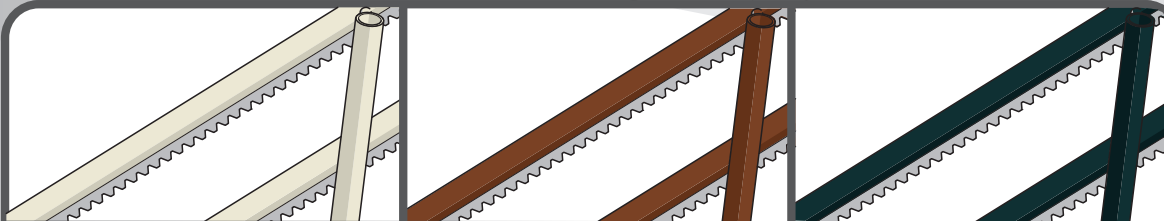
The rail is a secure twin tube system (38,1 mm).

The rail is delivered in 3 colours:

- light grey (RAL 9002)
- brown (RAL 8024)
- jet black (RAL 9005)

Other RAL colours are available on demand for an upcharge price and longer delivery time.

Spacers (carpet runners) can be delivered to compensate for the height of the runner and provide a level and stable mounting for the track feet.



LIGHT GREY

BROWN

JET BLACK

Optional the hinged rail (see options).

Go to attachments to see how to mount the rail in partial situations.

PARTS

UNIT

BATTERIES

FOOTREST

SAFETYBELT

ARMREST

SWIVEL

CONTROL

USER INTERFACE

KEY SWITCH

ON/OFF-SWITCH

EMERGENCY STOP

REMOTES

POWER SUPPLY

RAIL

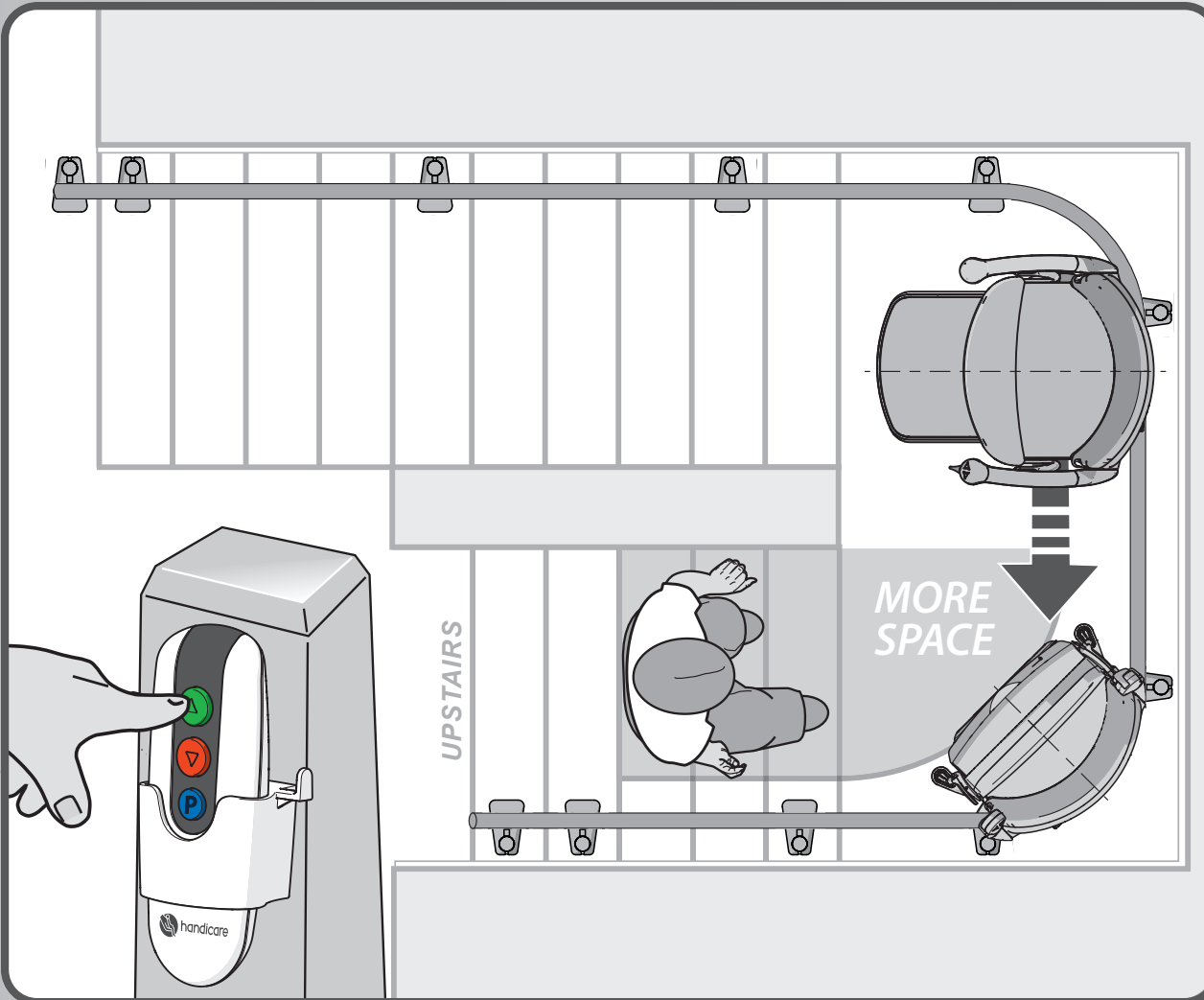
CHARGING POINTS



home



THE CHARGING (STOP) POINTS



An additional charge contact can only be installed on a straight piece of rail with minimum 165 mm.

The lift passes additional charging point when using the toggle.

Option: intermediate stop option (not in combination with powered swivel). Lift will stop at every charge contact on the 4000 rail.

No extra charge points in combination with hinge possible.

When using the remotes: the lift stops on intermediate charging point only in up direction.

A charge point can be placed anywhere above the hinge provide it is more than 650 mm away from the hinge and on a straight section of rail

After a bend needs to be 165 mm for a charge point at the top of the stairs otherwise it will be placed before the bend.

PARTS

UNIT

BATTERIES

FOOTREST

SAFETYBELT

ARMREST

SWIVEL

CONTROL

USER INTERFACE

KEY SWITCH

ON/OFF-SWITCH

EMERGENCY STOP

REMOTES

POWER SUPPLY

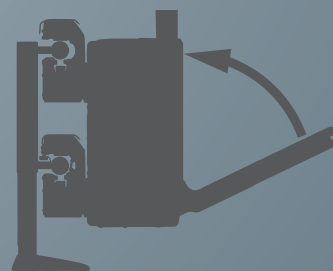
RAIL

CHARGING POINTS



home



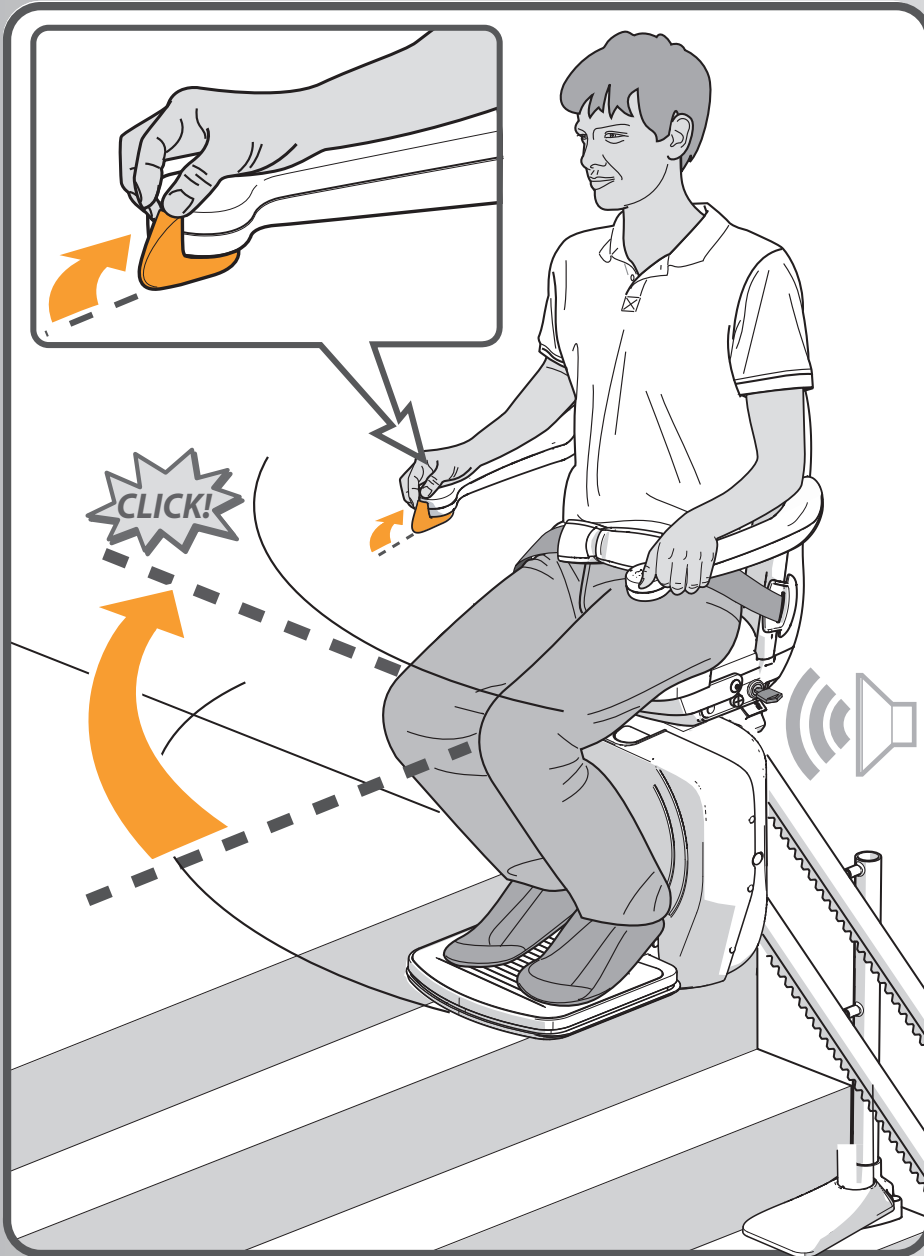


Options



3D-VIEW

THE POWERED SWIVEL CHAIR



Swivel only at the top.

The offset seat swivel enables the user to get closer to the landing to get on and off the seat more safely.

No ride possible in swivelled position.

The control on the chair must be held at the top of the stairs to activate the swivel chair.

The swivel chair will also turn automatically by operating the remotes.

In emergency the powered swivel chair can be released by hand.

OPTIONS

POW. SWIVEL



home



 handicare



Optional extras



FIXED SEAT



Swivel mechanism is removed, so seat can be lowered.

Smart seat only.

Footrest can be in 2 positions: 490 - 590 mm
 440 - 540 mm

The lift needs an overrun of 695 mm for safe dismount

EXTRAS**FIXED SEAT**

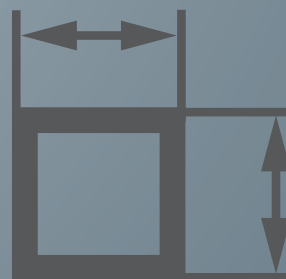
.....



home



The Handicare logo, featuring a stylized icon of a person sitting in a chair, followed by the word "handicare" in a lowercase, sans-serif font.

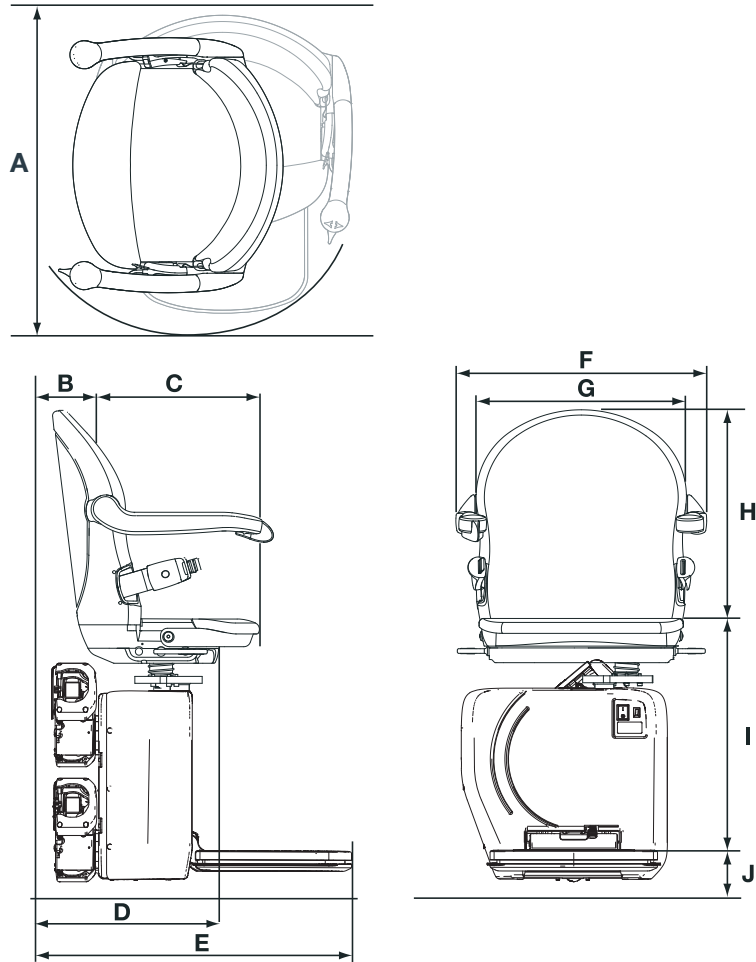


Dimensions



DIMENSIONS_smart seat

TOP VIEW - SIDEVIEW - FRONT VIEW



Smart Seat	Dimensions
A Minimum swivel radius - With short armrest	700-750mm -
B Wall to inner seat back	130mm
C Seat depth	360-425mm
D Minimum folded width to footplate	405mm
E Minimum open width to edge footplate To small footplate To offset footplate	695mm 635mm 655mm
F Armrest width – external	530-630mm
G Armrest width – internal	410-510mm
H Seat back height Footplate rake adjustment	455mm 50mm
I Footplate to seat height With footplate rake adjustment	490-590mm 440-540mm
J Minimum footplate height	70mm*
Minimum track intrusion into staircase	125mm
Standard weight limit	136kg/21½st
Heavy duty weight limit	160kg/25¼st
Speed	0.12m/sec
Maximum staircase angle	56°

* At horizontal landings

DIMENSIONS

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT



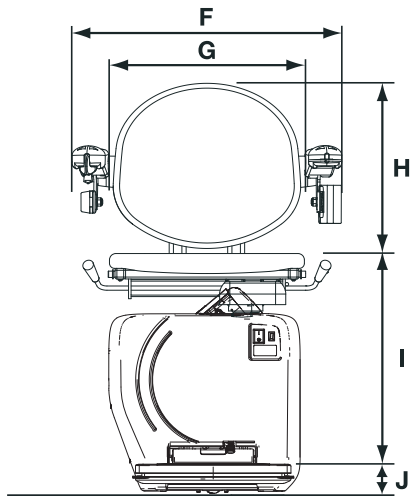
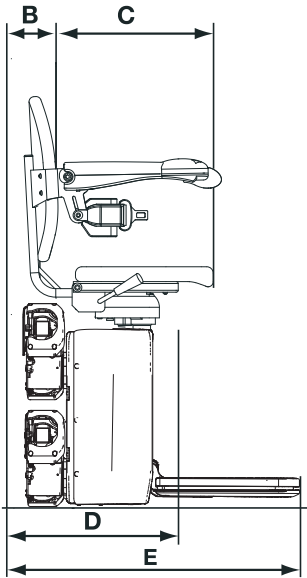
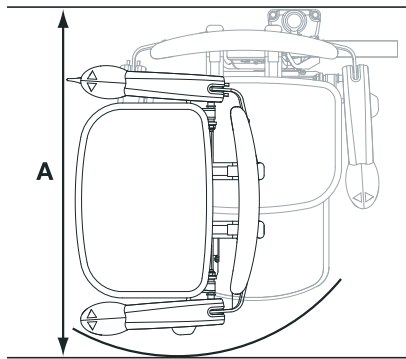
home



handicare

DIMENSIONS_simplicity seat

TOP VIEW - SIDEVIEW - FRONT VIEW



Simplicity Seat	Dimensions
A Minimum swivel radius - With short armrest	735 mm 700 mm
B Wall to inner seat back	110 mm
C Seat depth	390 mm
D Minimum folded width to footplate	405 mm
E Minimum open width to edge footplate To small footplate To offset footplate	695 mm 635 mm 655 mm
F Armrest width – external	585 mm
G Armrest width – internal	430 mm
H Seat back height Footplate rake adjustment	400 mm 50 mm
I Footplate to seat height With footplate rake adjustment	470-550 mm 420-500mm
J Minimum footplate height	70 mm*
Minimum track intrusion into staircase	125 mm
Standard weight limit	136kg/21½st
Heavy duty weight limit	160kg/25¼st
Speed	0.12m/sec
Maximum staircase angle	56°

* At horizontal landings

DIMENSIONS

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT



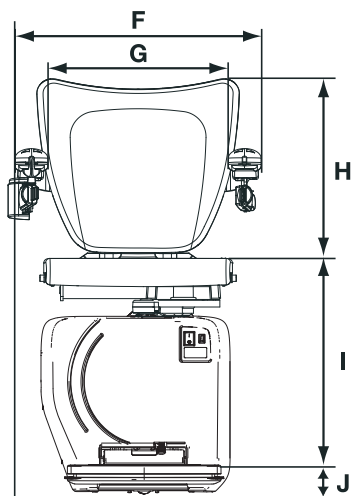
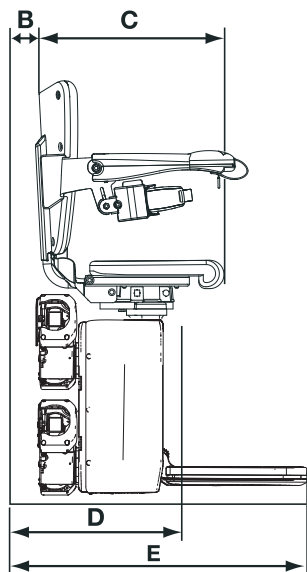
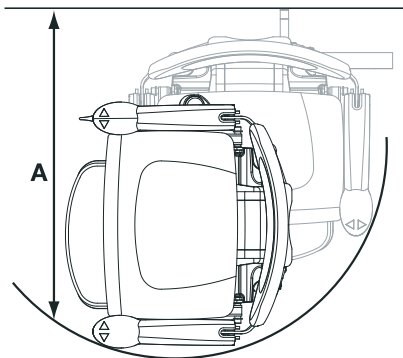
home



handicare

DIMENSIONS_style seat

TOP VIEW - SIDEVIEW - FRONT VIEW



Style seat	Dimensions
A Minimum swivel radius - With short armrest	735 mm 700 mm
B Wall to inner seat back	110 mm
C Seat depth	390 mm
D Minimum folded width to footplate	405 mm
E Minimum open width to edge footplate To small footplate To offset footplate	695 mm 635 mm 655 mm
F Armrest width – external	585 mm
G Armrest width – internal	430 mm
H Seat back height Footplate rake adjustment	400 mm 50 mm
I Footplate to seat height With footplate rake adjustment	470-550 mm 420-500 mm
J Minimum footplate height	70 mm*
Minimum track intrusion into staircase	125 mm
Standard weight limit	136kg/21½st
Heavy duty weight limit	160kg/25¼st
Speed	0.12m/sec
Maximum staircase angle	56°

* At horizontal landings

DIMENSIONS

SMART SEAT

SIMPLICITY SEAT

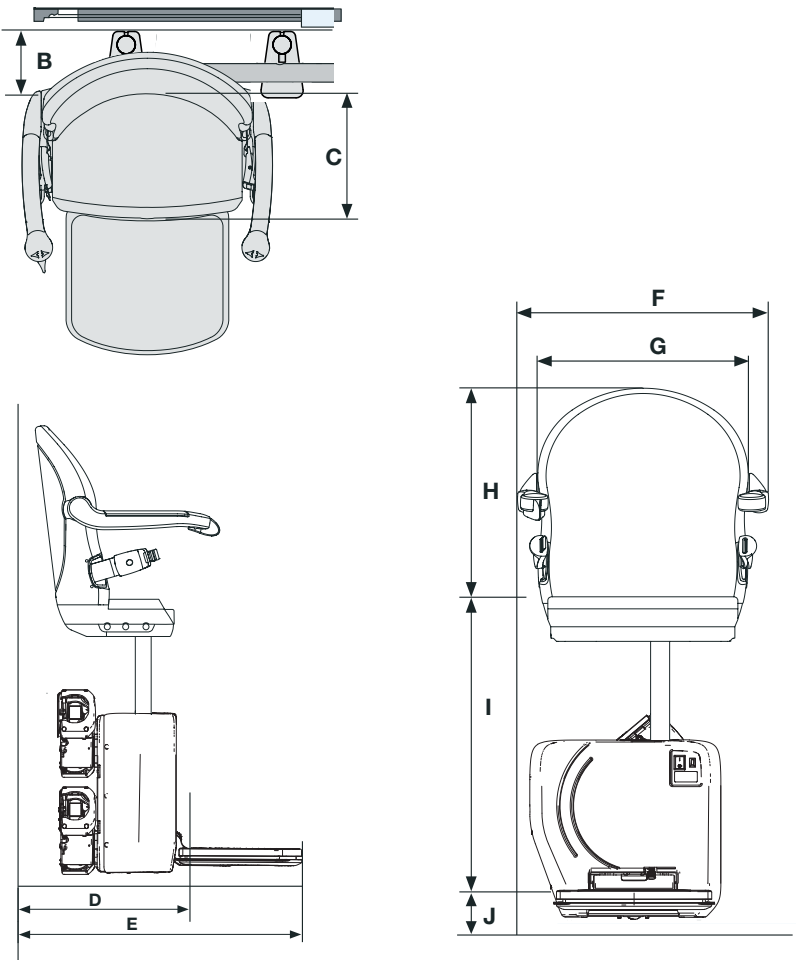
STYLE SEAT

PERCH SEAT



DIMENSIONS_perch seat

TOP VIEW - SIDEVIEW - FRONT VIEW



Perch seat	Dimensions
A Minimum swivel radius With short armrest	- -
B Wall to inner seat back	130 mm
C Seat depth	360-425 mm
D Minimum folded width to footplate	405 mm
E Minimum open width to edge footplate To small footplate To offset footplate	695 mm 635 mm 655 mm
F Armrest width – external	530-630 mm
G Armrest width – internal	410-510 mm
H Seat back height Footplate rake adjustment	455 mm 50 mm
I Footplate to seat height	625-750 mm
J Minimum footplate height	70 mm*
Minimum track intrusion into staircase	125 mm
Standard weight limit	136kg/21½st
Heavy duty weight limit	-
Speed	0.12m/sec
Maximum staircase angle	56°

* At horizontal landings

DIMENSIONS

SMART SEAT

SIMPLICITY SEAT

STYLE SEAT

PERCH SEAT



home



 handicare



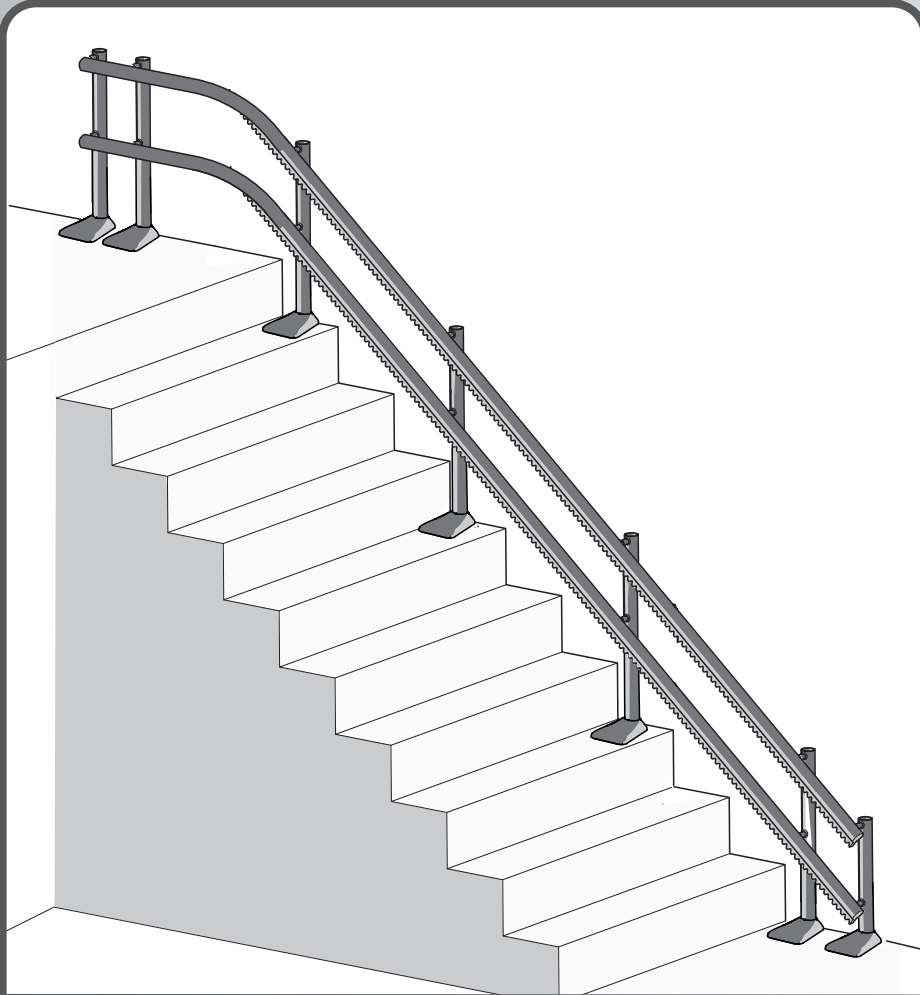
Stair types



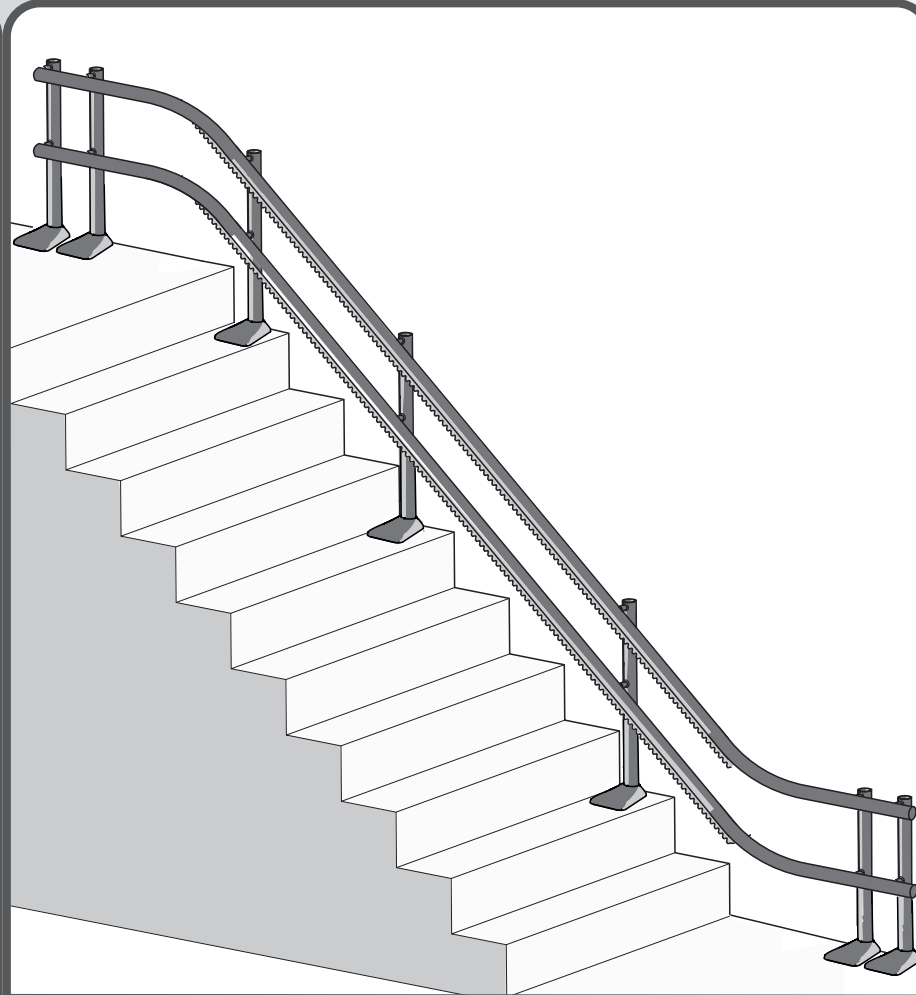
3D-VIEW

STRAIGHT

3D-VIEW



A1



A2

STAIR TYPES

STRAIGHT
(A1/A2)

NOT STRAIGHT
(C/D/E/F/G/H)



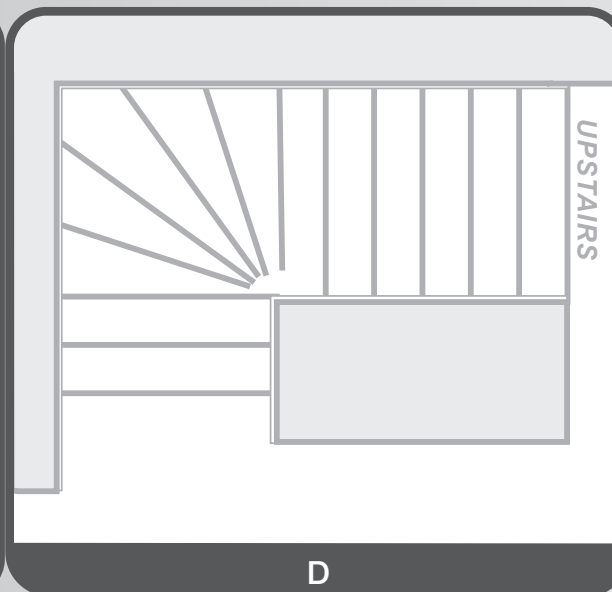
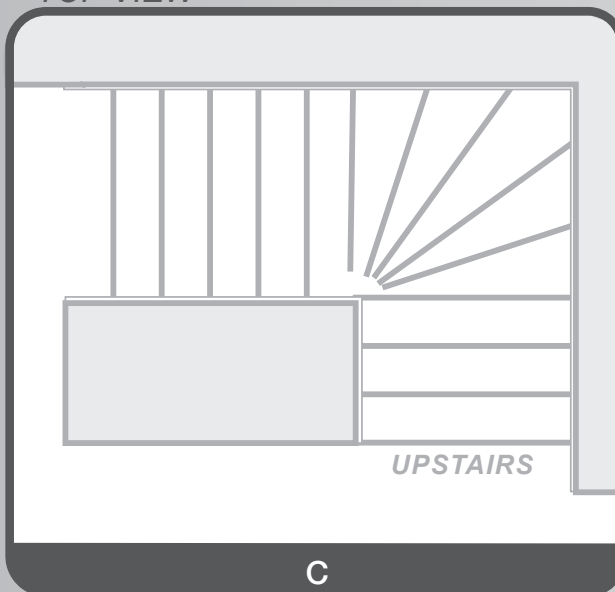
home



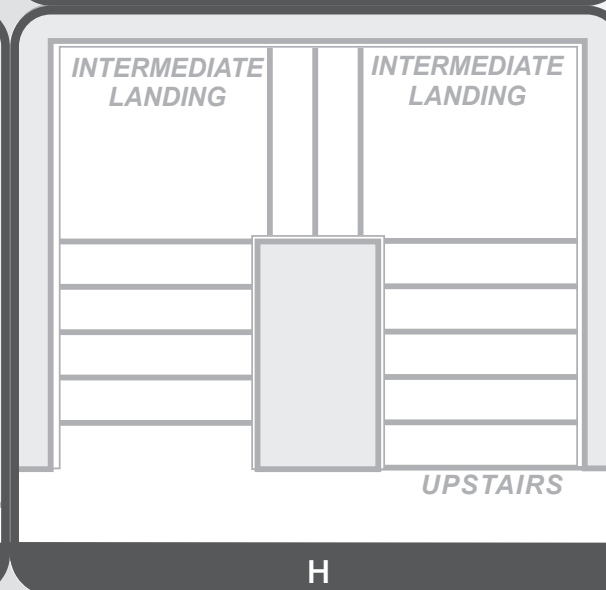
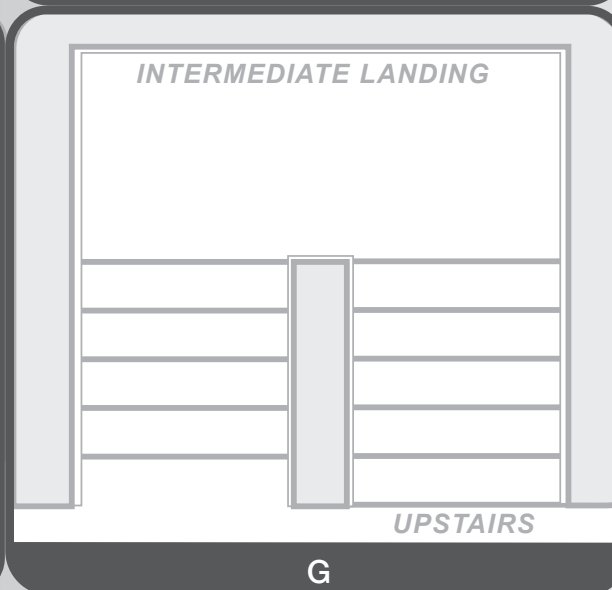
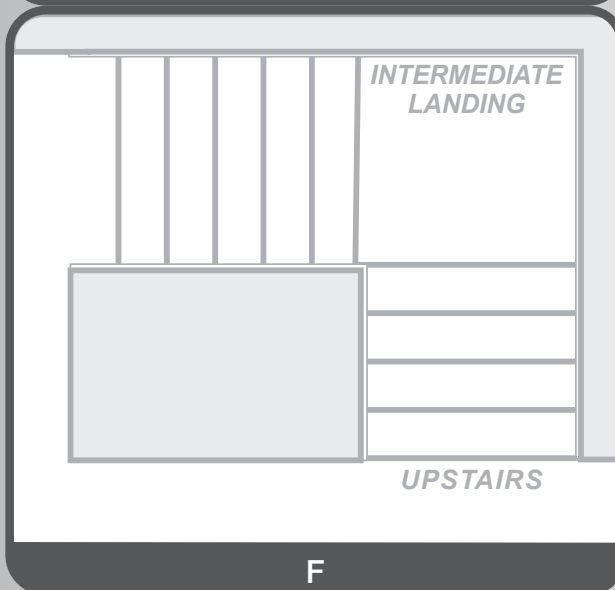
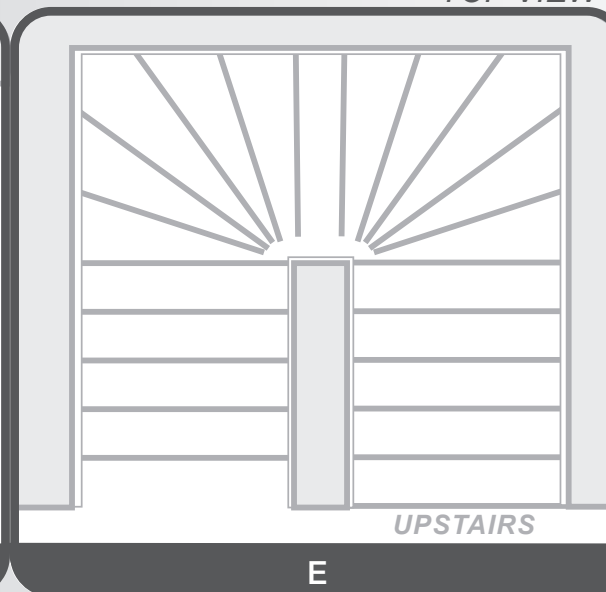
 handicare

NOT STRAIGHT

TOP VIEW



TOP VIEW



STAIR TYPES

STRAIGHT
(A1/A2)

NOT STRAIGHT
(C/D/E/F/G/H)

Feasible curved stair shapes for the 2000 lifts.



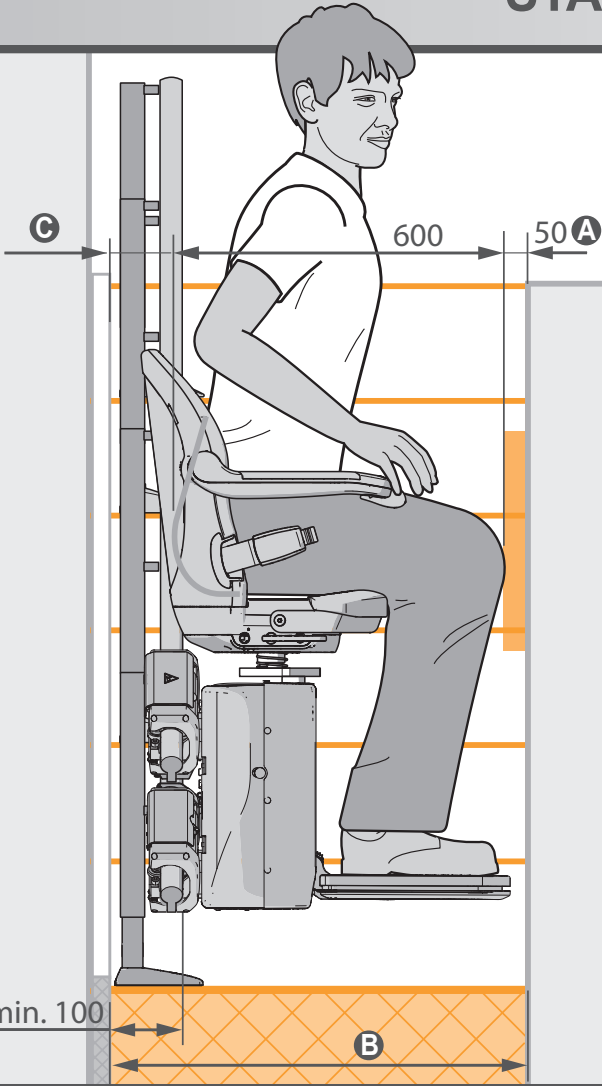


Stair width

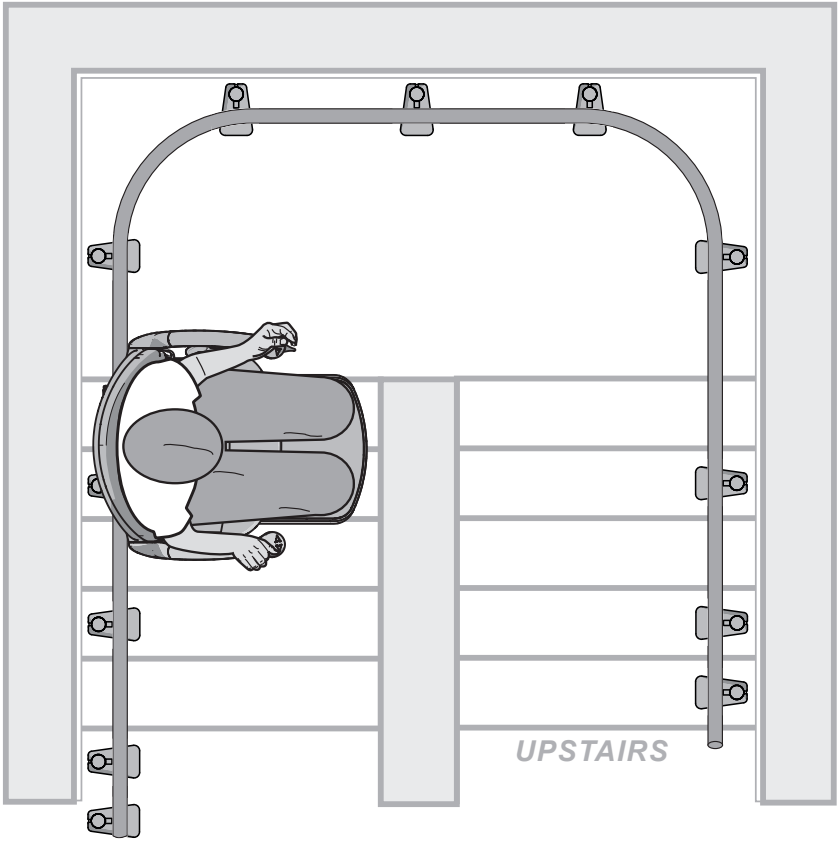


STAIR WIDTH_user

SIDE VIEW



TOP VIEW



STAIR WIDTH

USER

OBSTACLE

INNER SIDE_{st.}

INNER SIDE_{land.}

A 50mm is the recommended knee clearance to the opposite wall

B **Simplicity:** 742 mm
Style: 742 mm
Smart: 780 mm

C Back of seat cushion used as reference point:

Simplicity: 92 mm
Style: 92 mm
Smart: 130 mm

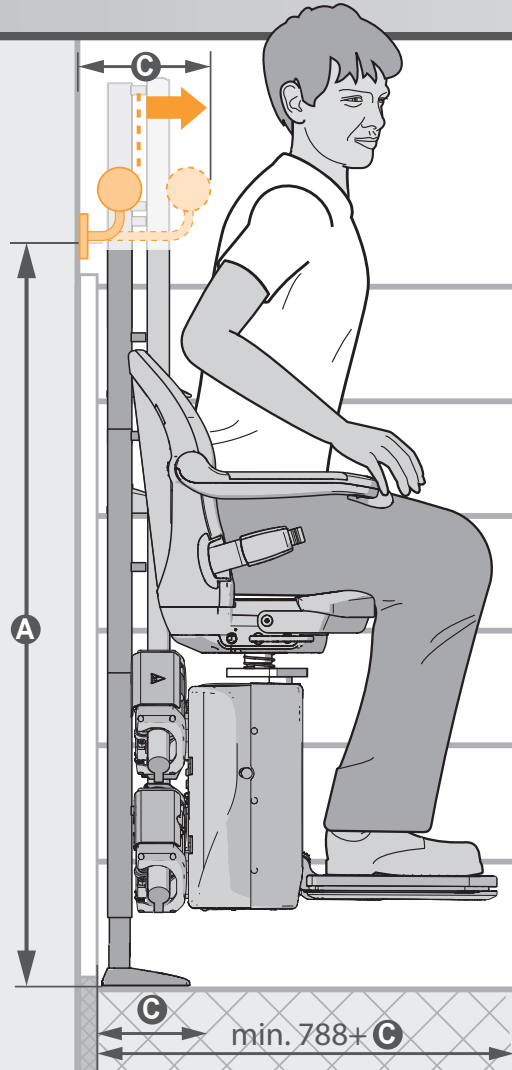


home

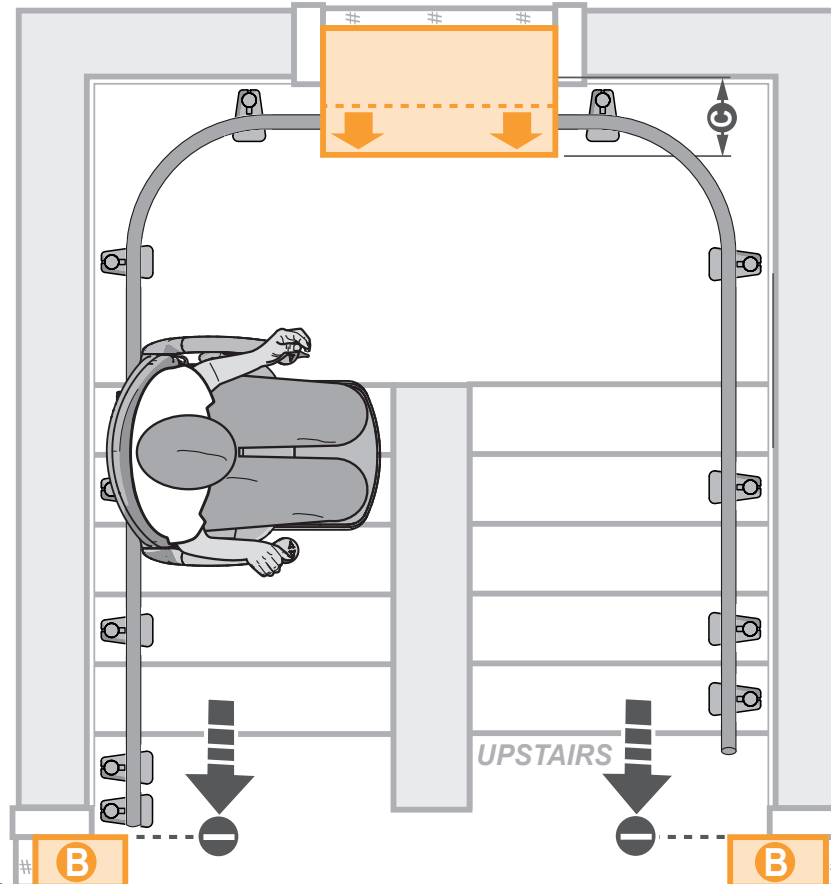


STAIR WIDTH_obstacle

SIDE VIEW



TOP VIEW



STAIR WIDTH

USER

OBSTACLE

INNER SIDE_{st.}

INNER SIDE_{land.}

A Obstacles shall always be measured.

B The stairlift needs to stop before reaching an obstacle; adjust rail endings if necessary.

C Offset rail by length C from stringer if obstacle is present.

If handrail is removed and the dado-rail remains, don't forget to measure this.

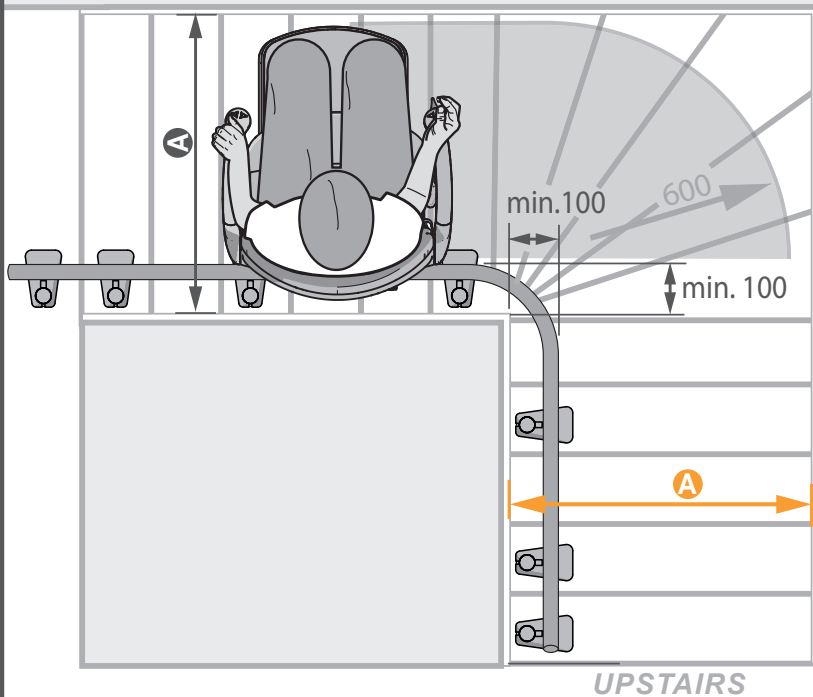
If you don't mark obstacles like window sills, door handles, paintings, radiators etc, we will not consider them.



STAIR WIDTH INNER SIDE_Standard

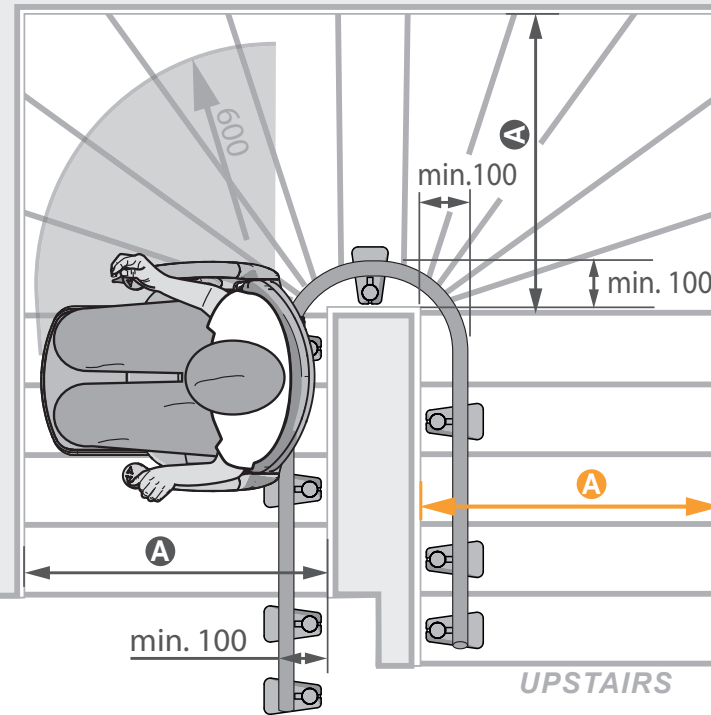
TOP VIEW

Stair type: **C / D / F**



TOP VIEW

Stair type: **E**



A Because the footrest and the armrest are swinging out in the corners:

Simplicity: 742 mm
Style: 742 mm
Smart: 780 mm

Maximum helix inclination is 54 degrees.

STAIR WIDTH

USER

OBSTACLE

INNER SIDE_*st.*

INNER SIDE_*land.*



home

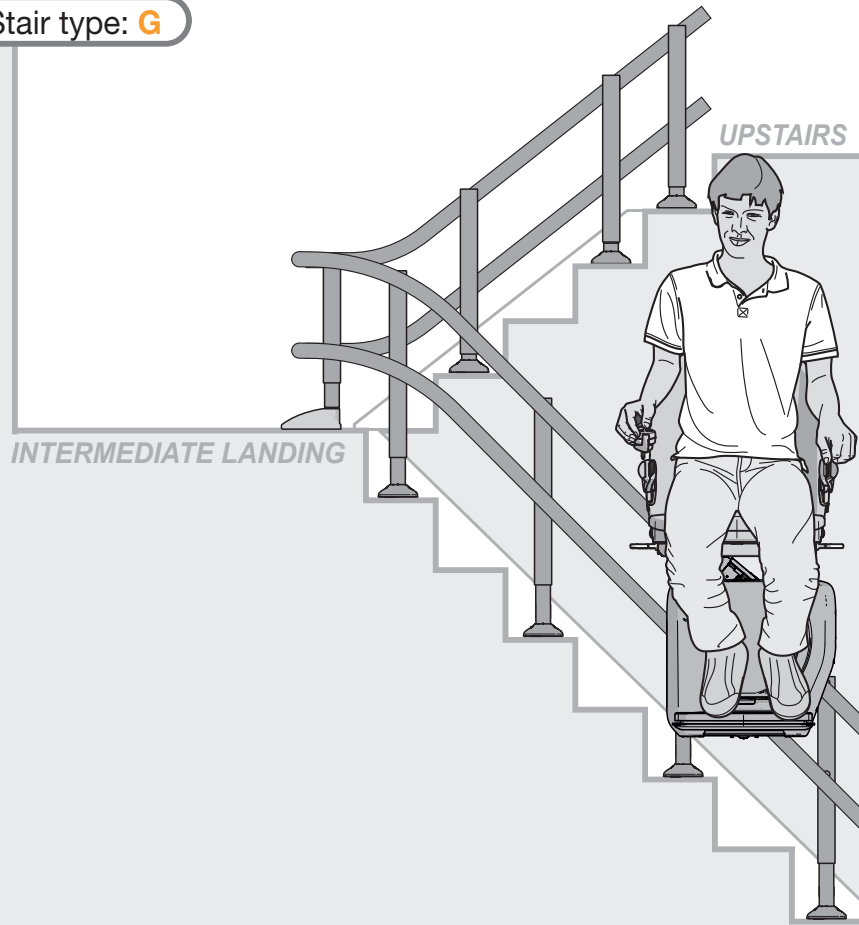


handicare

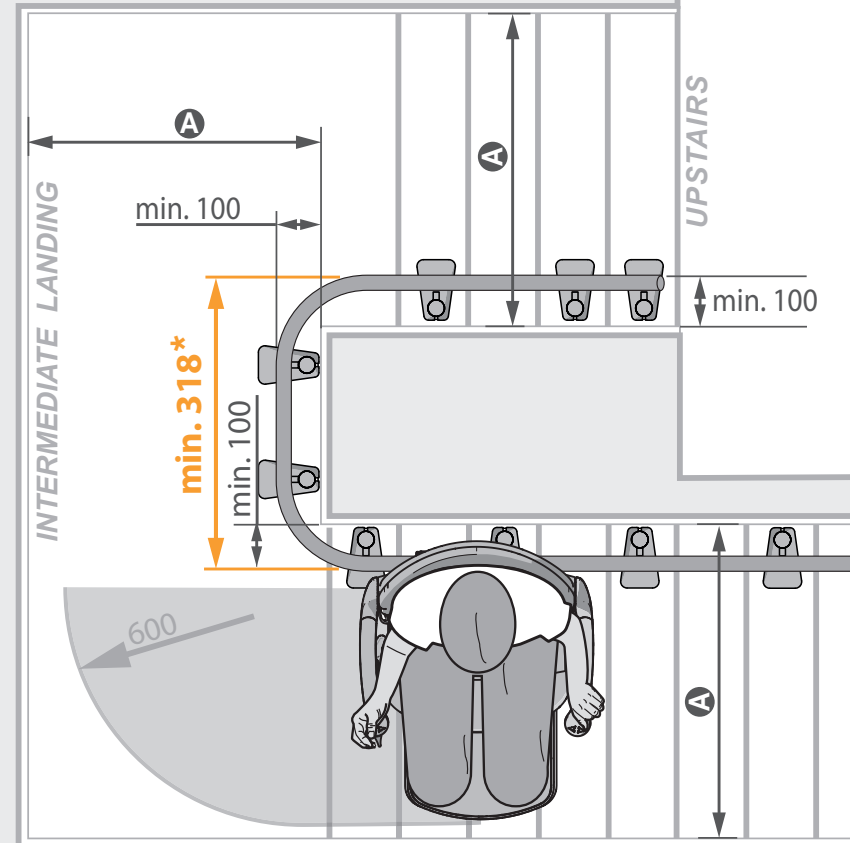
STAIR WIDTH INNER SIDE_Landing

TOP VIEW

Stair type: **G**



TOP VIEW



* 318 mm with continuous radius 373 mm with straight in-between
Measurements from centre of track

A Because the footrest and armrest are swinging out in the corners:

Simplicity: 742 mm

Style: 742 mm

Smart: 780 mm

Maximum helix inclination is 54 degrees.

STAIR WIDTH

USER

OBSTACLE

INNER SIDE_st.

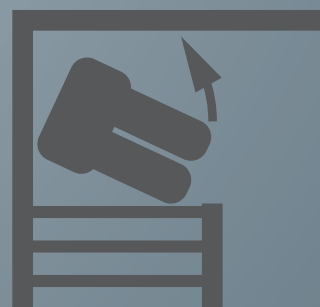
INNER SIDE_land.



home



handicare



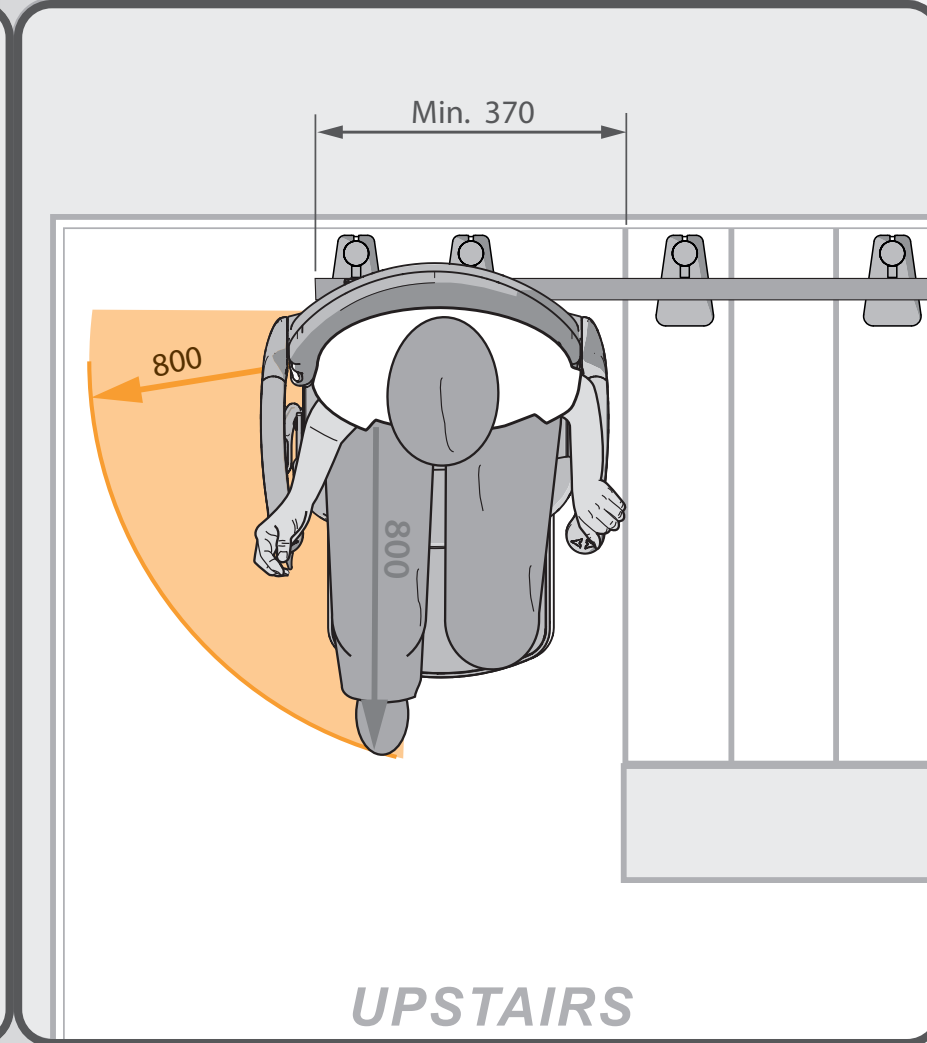
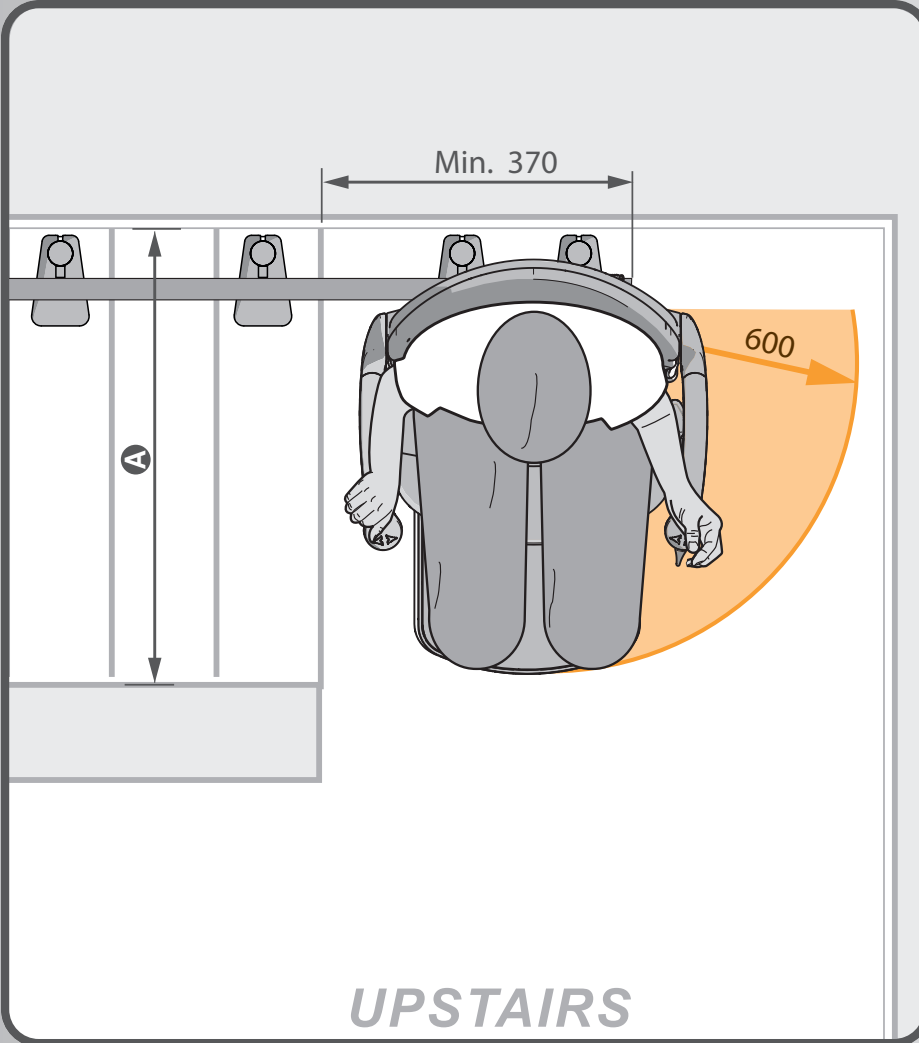
Turning space



TURNING CLEARANCE_user

TOP VIEW

TOP VIEW



TURNING

USER

SEAT

- A Simplicity:** 742 mm
- Style:** 742 mm
- Smart:** 780 mm

If knees go beyond footplate at seated position the overrun needs to be longer for free swiveling.



home



handicare

TURNING CLEARANCE_seat

TOP VIEW

TOP VIEW

Smart

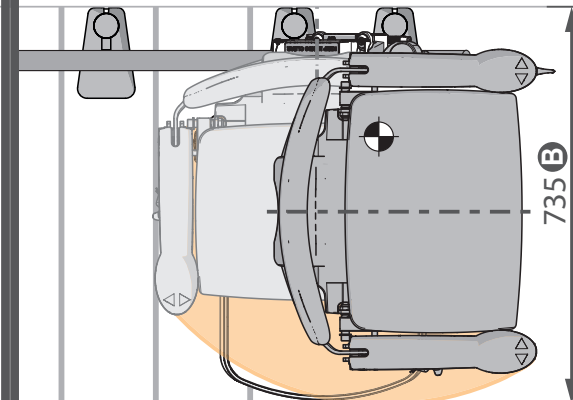
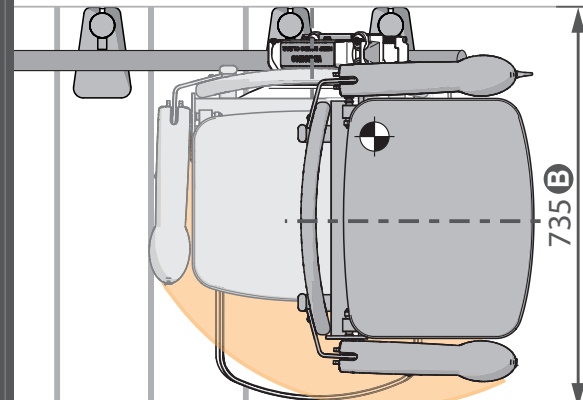
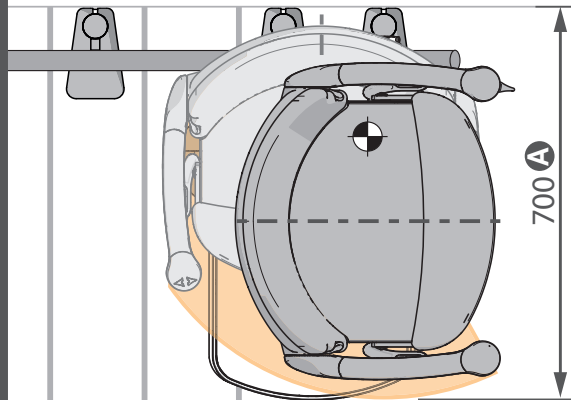
Simplicity

Style

TURNING

USER

SEAT

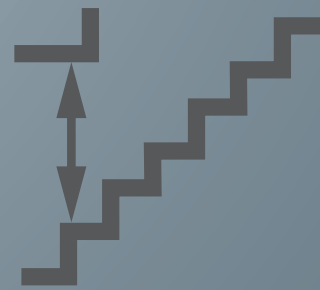


A With armspacers: 725 mm. With double armspacers: 750 mm.

B With short arm: 700 mm.



 handicare



Bulkhead

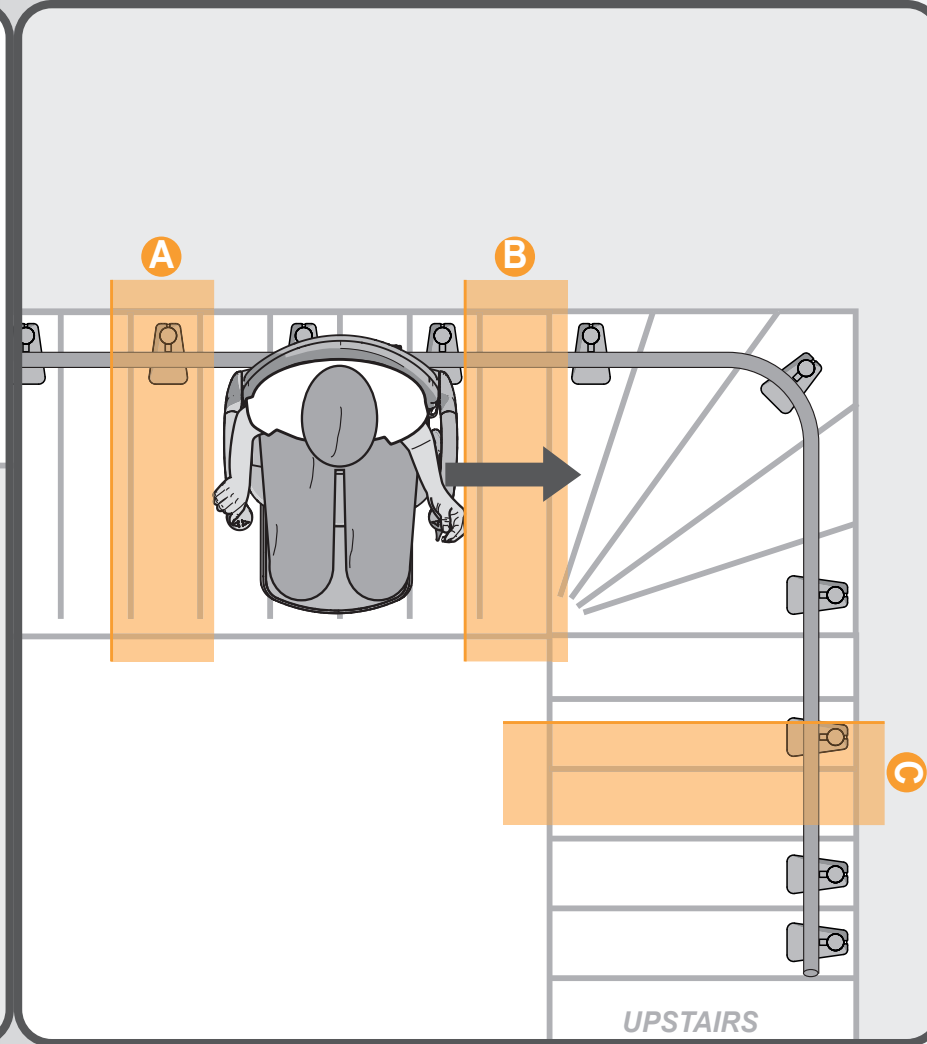


OVERHEAD CLEARANCE

SIDE VIEW



TOP VIEW



BULKHEAD

The needed headroom clearance is dependant on the inclination of the stairs and the configuration of the steps.
We can give you an exact measurement with a feasibility drawing, but a minimum distance of at least 1850 mm between bulkhead and step is required, with the seat in its lowest position.

Dimensions **A** / **B** / **C** are also depending on the position the seat stem mounted in the chassis.



home



handicare



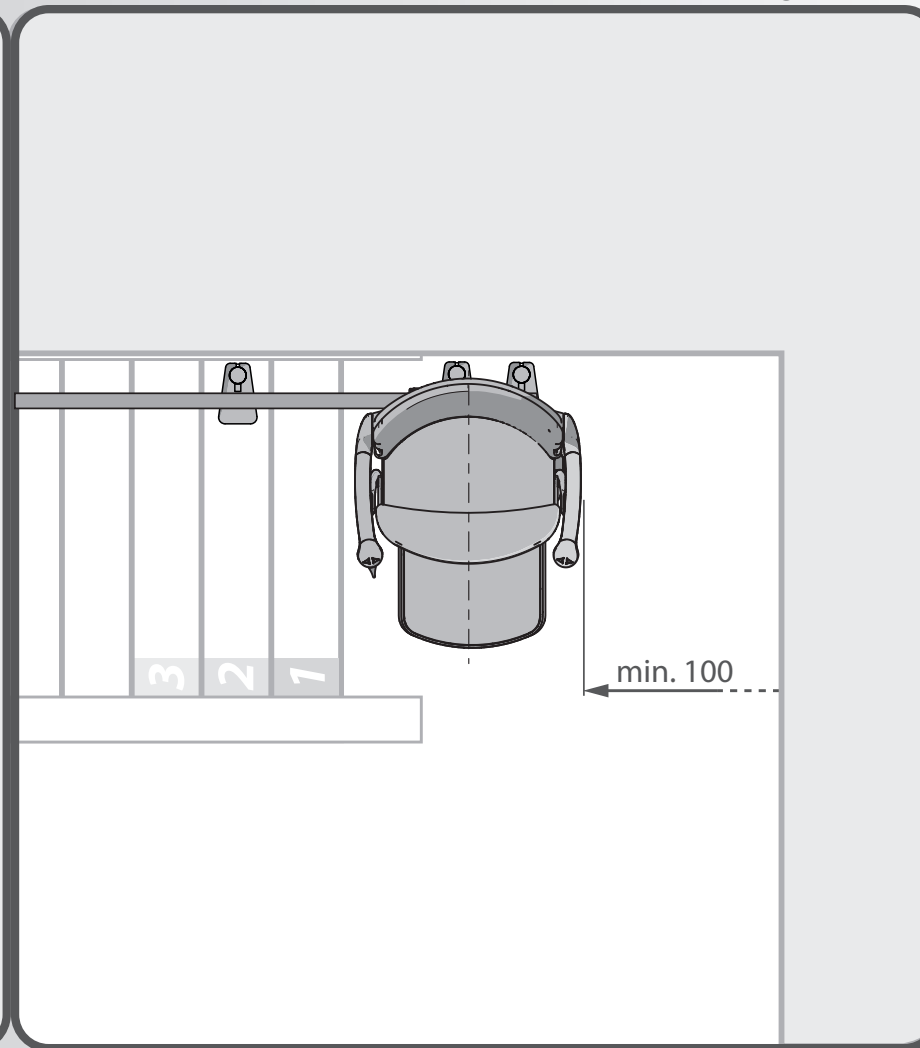
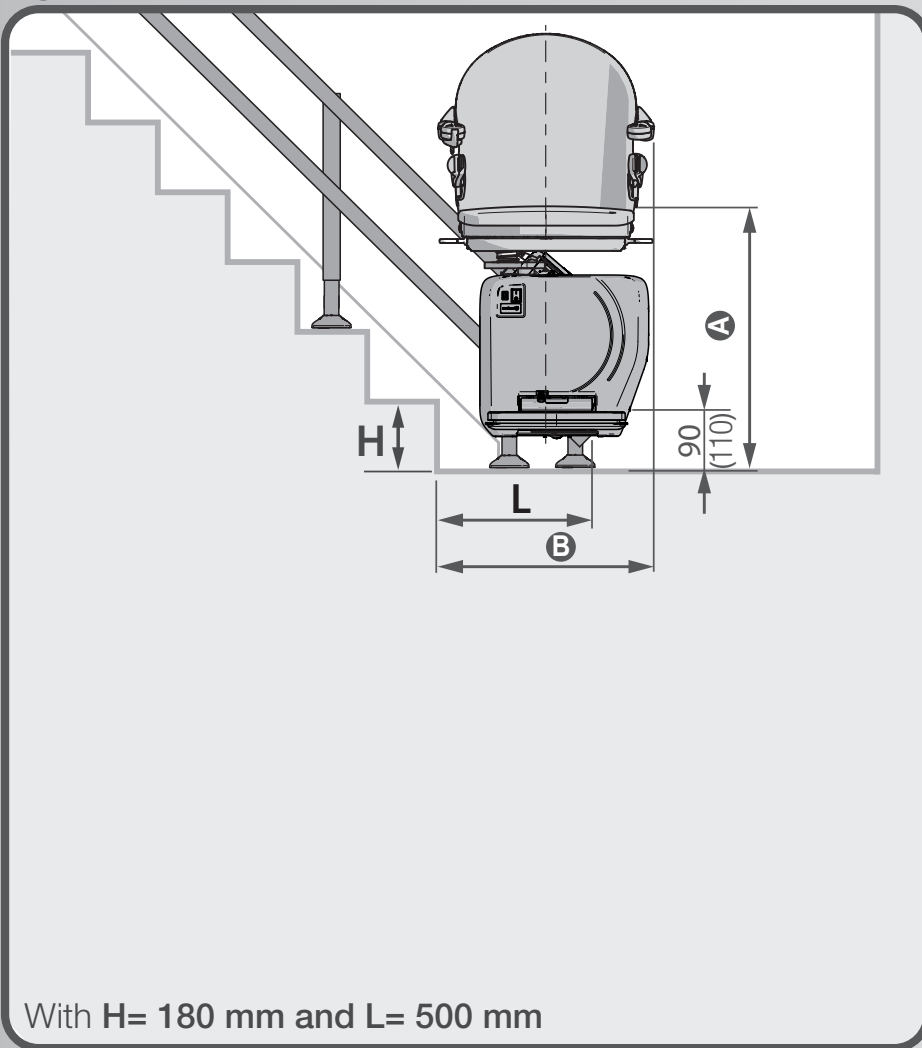
Downstairs



STANDARD

SIDE VIEW

TOP VIEW



DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R_L+guard

HORIZONTAL

90° PARK_{St.}

90° PARK_{Hor.}

180° PARK_{St.}

180° PARK_{Hor.}

A Distance from Floor to Seat Cushion:

Simplicity: 560 - 640 mm

Style: 560 - 640 mm

Smart: 580 - 680 mm

Value shown in brackets are when footplate is set in higher position.

B (Typical at 45° stairs)

Simplicity: 720 mm

Style: 720 mm

Smart: 660 mm



home

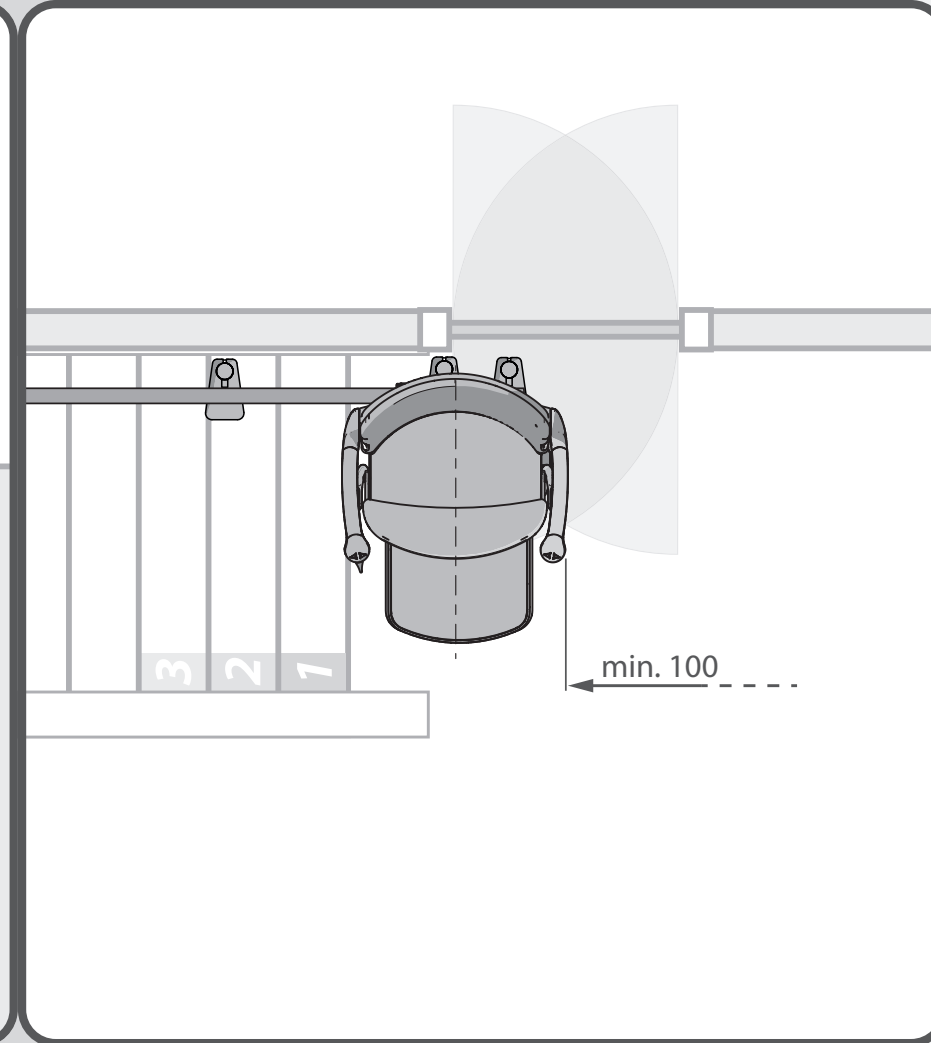
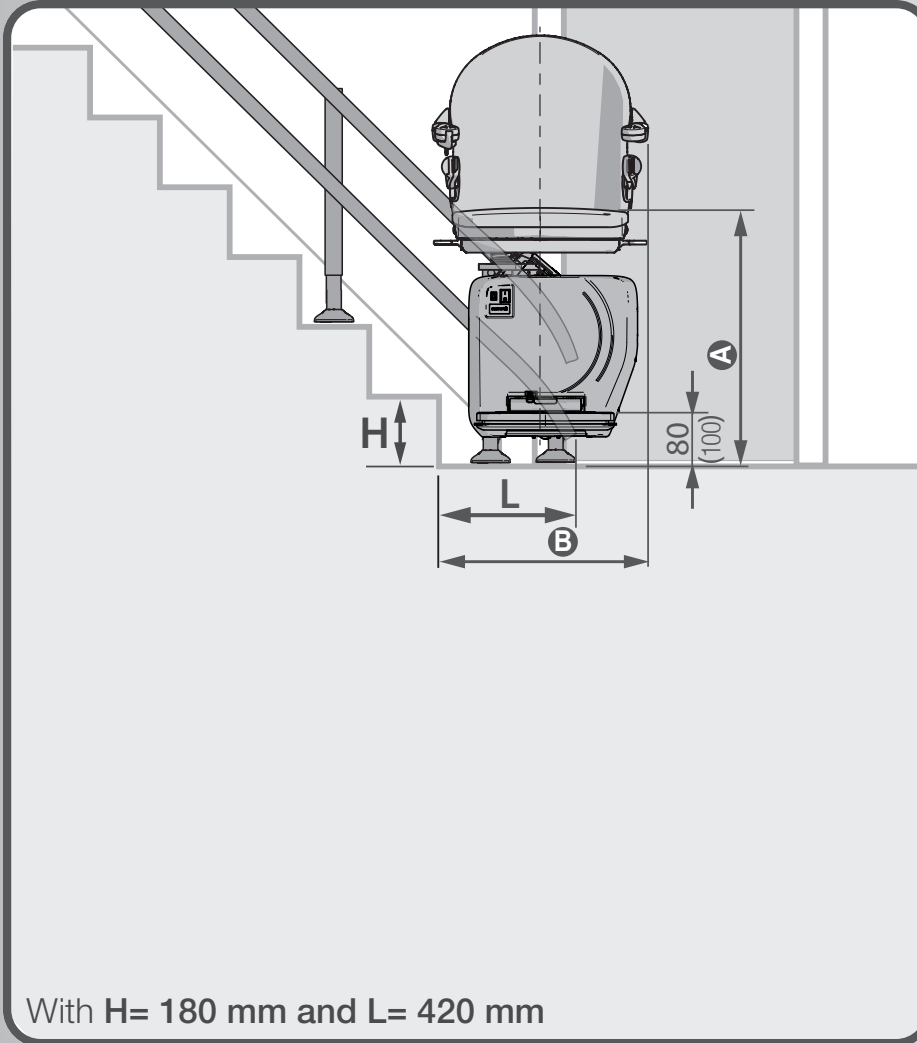


handicare

SHORT RAILENDING

SIDE VIEW

TOP VIEW



DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R_L+guard

HORIZONTAL

90° PARK_{St.}

90° PARK_{Hor.}

180° PARK_{St.}

180° PARK_{Hor.}

A Distance from Floor to Seat Cushion:

Simplicity: 550 - 630 mm
Style: 550 - 630 mm
Smart: 570 - 670 mm

Value shown in brackets are when footplate is set in higher position.

B (55° Railending)

Simplicity: 635 mm
Style: 635 mm
Smart: 575 mm



home

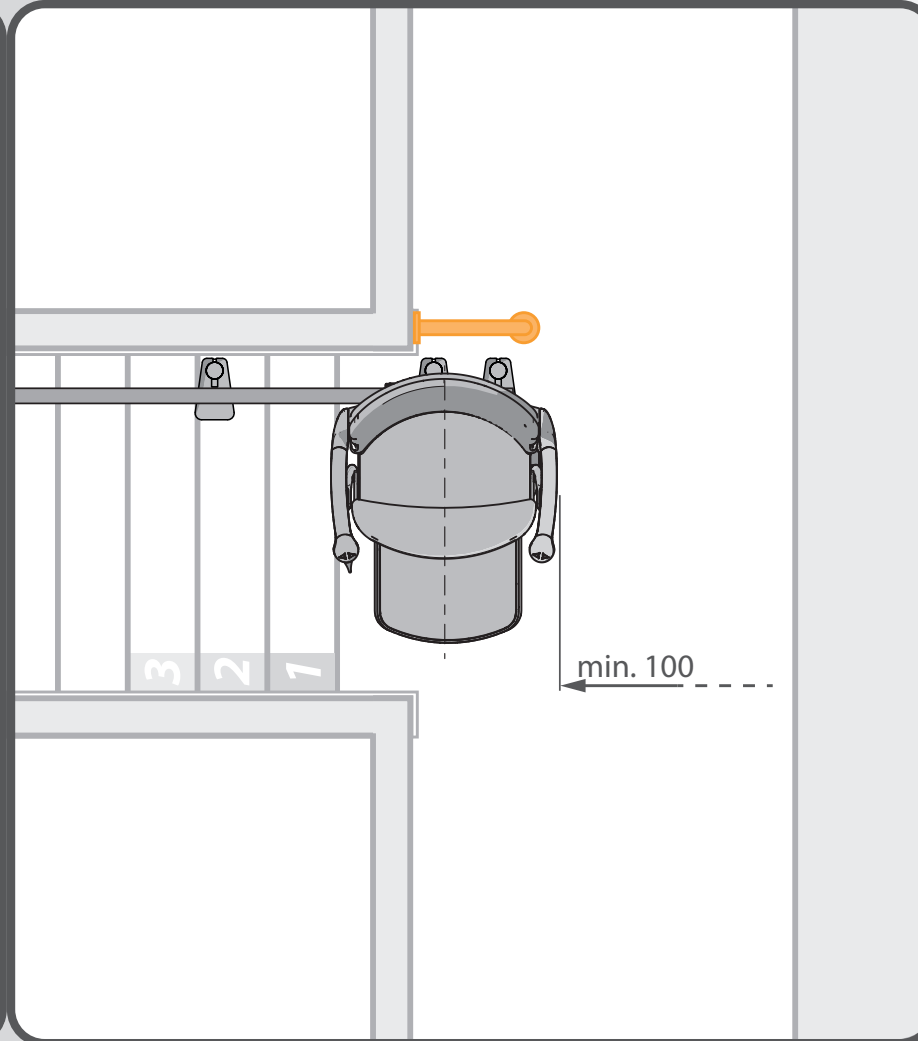
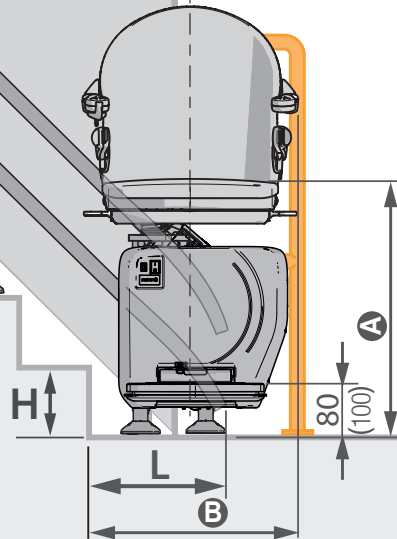


SHORT RAILENDING_+guard

SIDE VIEW

TOP VIEW

Dimensions of short railending not possible in combination with a platform on the 2nd or 3rd step.



With H= 180 mm and L= 420 mm

A Distance from Floor to Seat Cushion:
Simplicity: 550 - 630 mm
Style: 550 - 630 mm
Smart: 570 - 670 mm

B (55° Railending)
Simplicity: 635 mm
Style: 635 mm
Smart: 575 mm

Guards available in following dimensions
 Guard Rail - Small (100x700)
 Guard Rail - Regular (150x800)
 Guard Rail -Larger (200x900)

Value shown in brackets are when footplate is set in higher position.

DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R_+guard

HORIZONTAL

90° PARK_St.

90° PARK_Hor.

180° PARK_St.

180° PARK_Hor.



home

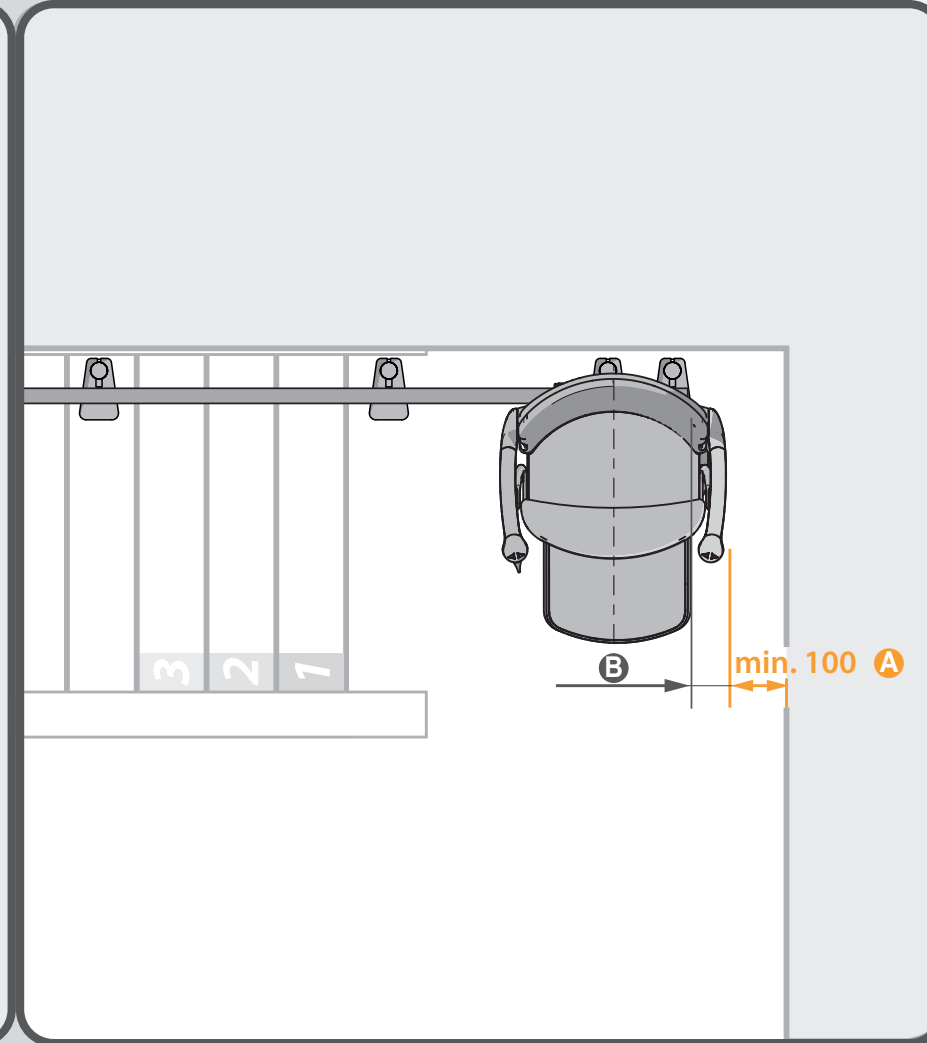
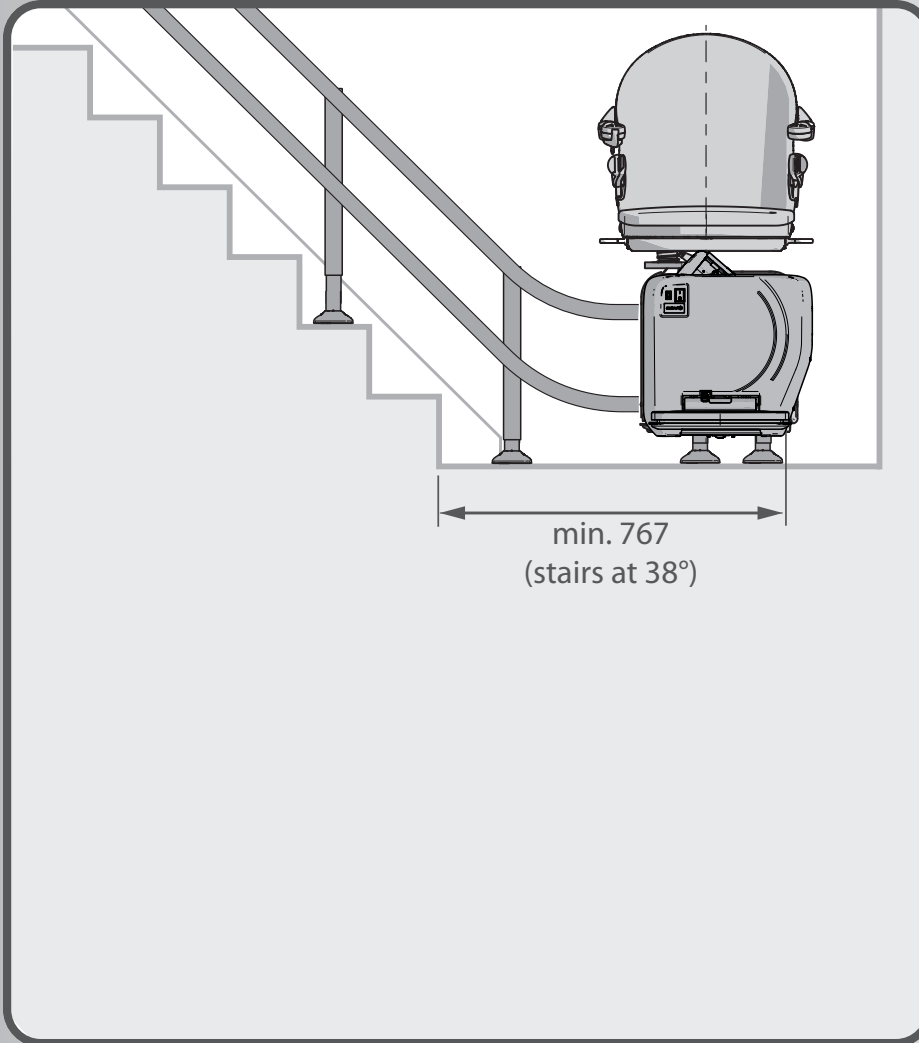


handicare

SIDE VIEW

HORIZONTAL

TOP VIEW



A To prevent the underarm from getting squeezed between the armrest and the opposite wall.

B Style: 200 mm
Simplicity: 200 mm
Smart: 257 mm



DOWNSTAIRS

STANDARD

SHORT RAILEND

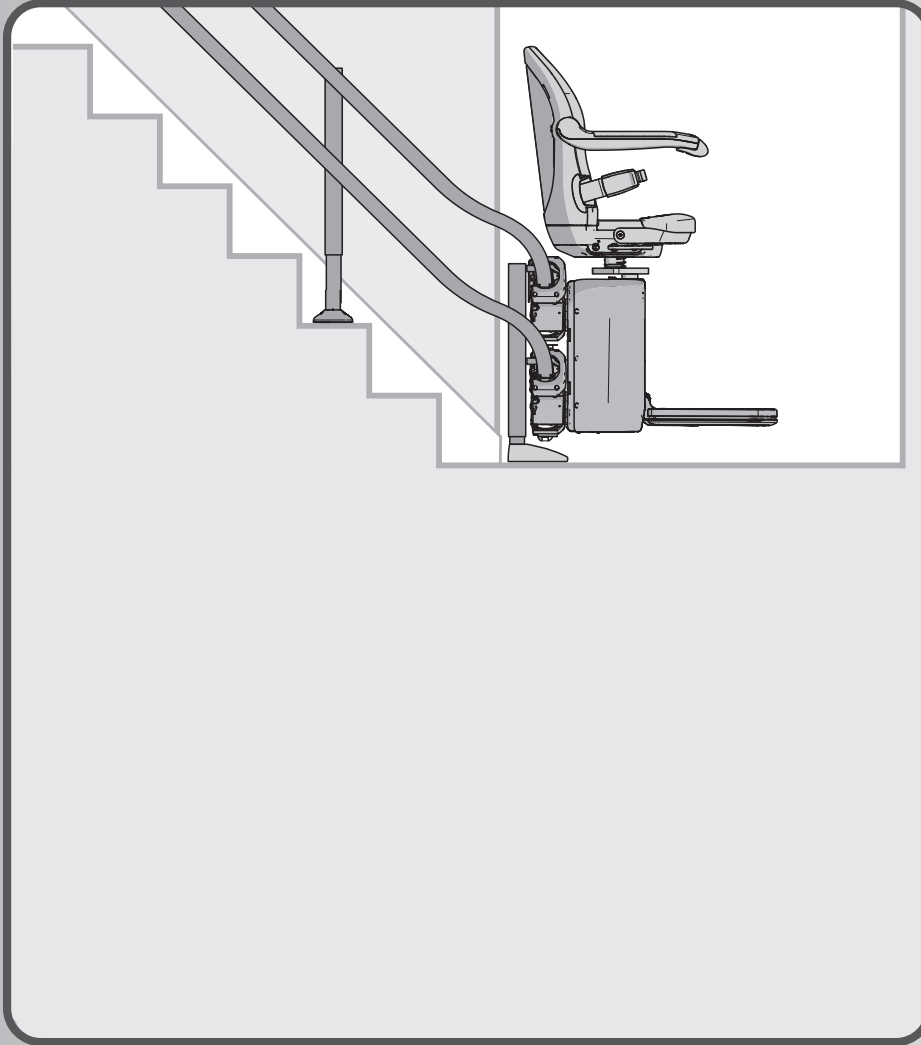
SHORT R_L+guard

HORIZONTAL

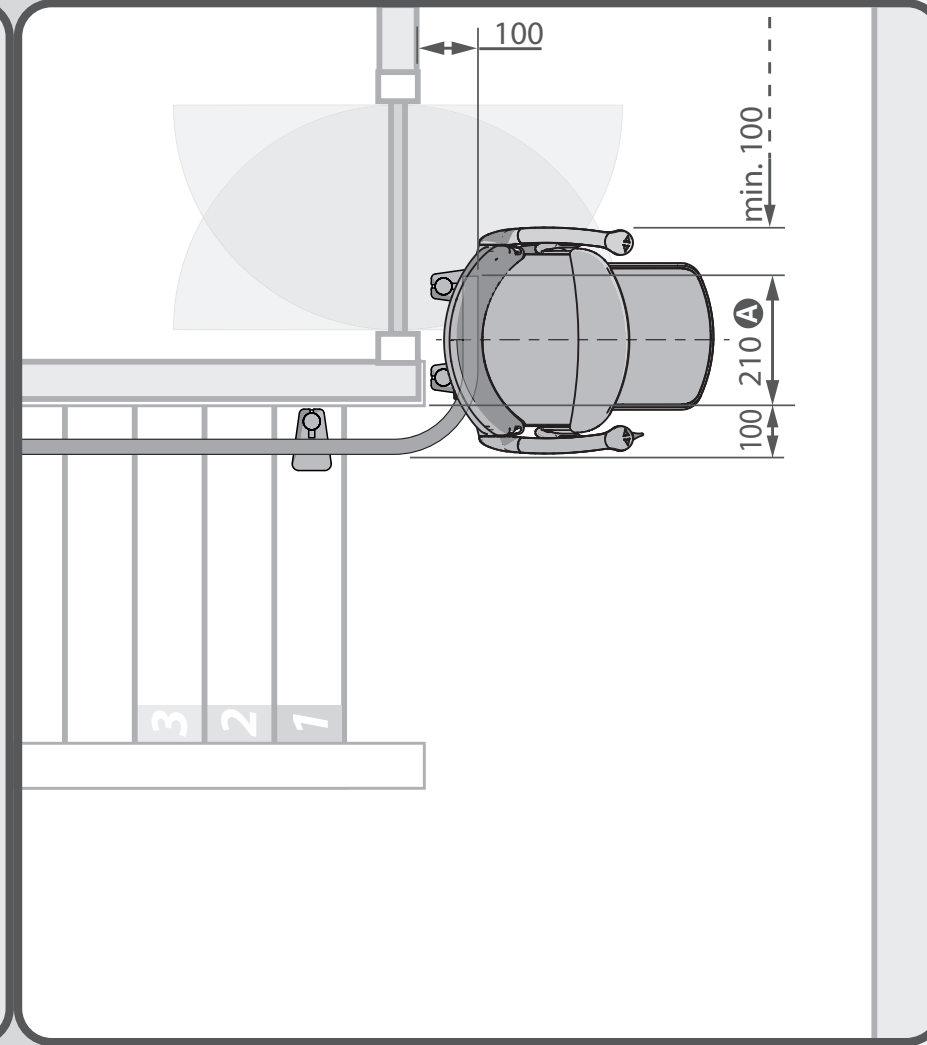
90° PARK_{St.}90° PARK_{Hor.}180° PARK_{St.}180° PARK_{Hor.}

90° PARK INSIDE_standard

SIDE VIEW



TOP VIEW



DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R₊guard

HORIZONTAL

90° PARK_St.

90° PARK_Hor.

180° PARK_St.

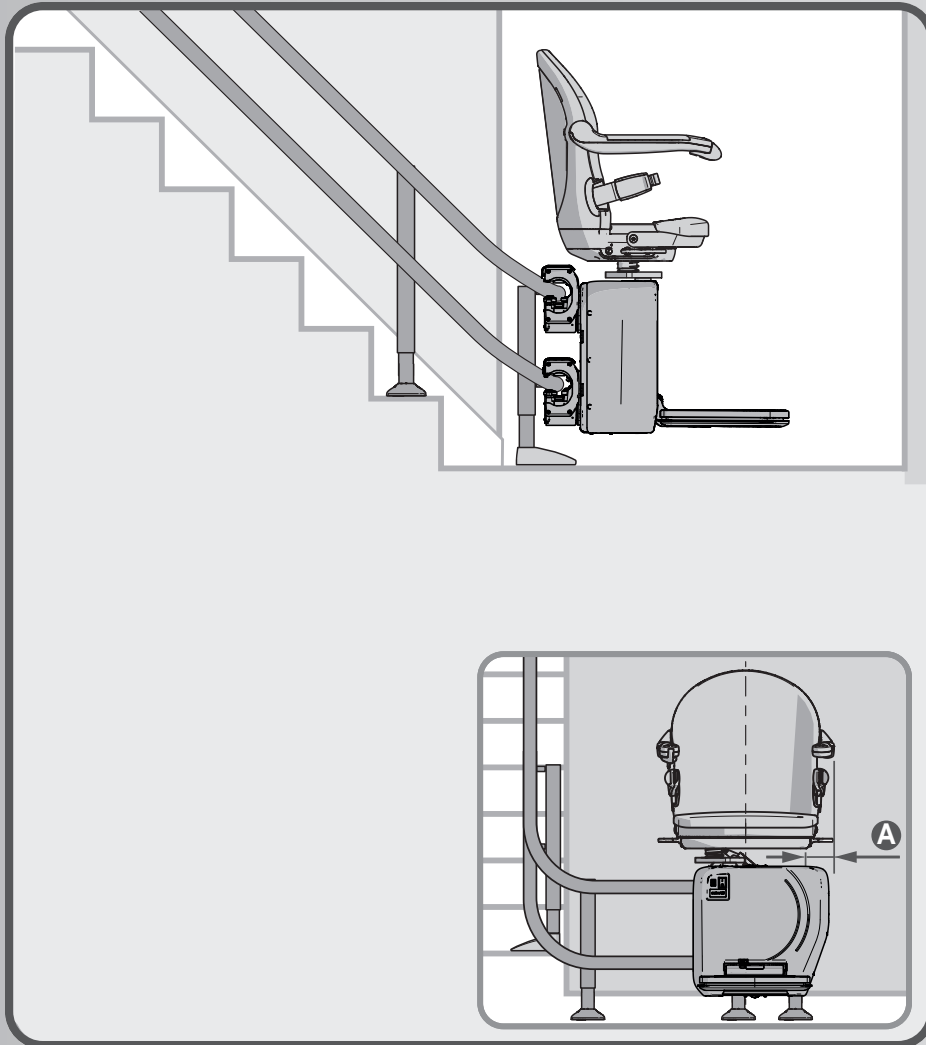
180° PARK_Hor.

A Size necessary to have the chair in line with the wall.

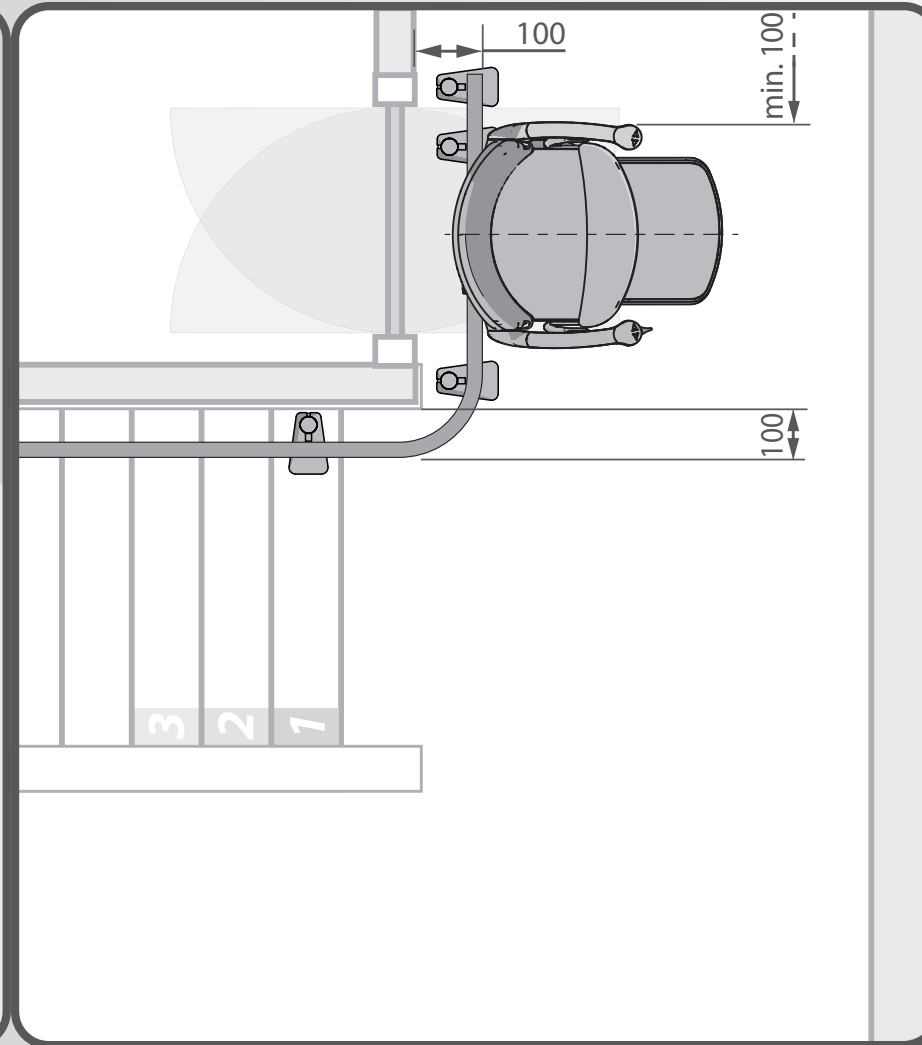


90° PARK INSIDE_horizontal

SIDE VIEW



TOP VIEW



- A** Style: 200 mm
Simplicity: 200 mm
Smart: 257 mm

DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R_L+guard

HORIZONTAL

90° PARK_St.

90° PARK_Hor.

180° PARK_St.

180° PARK_Hor.



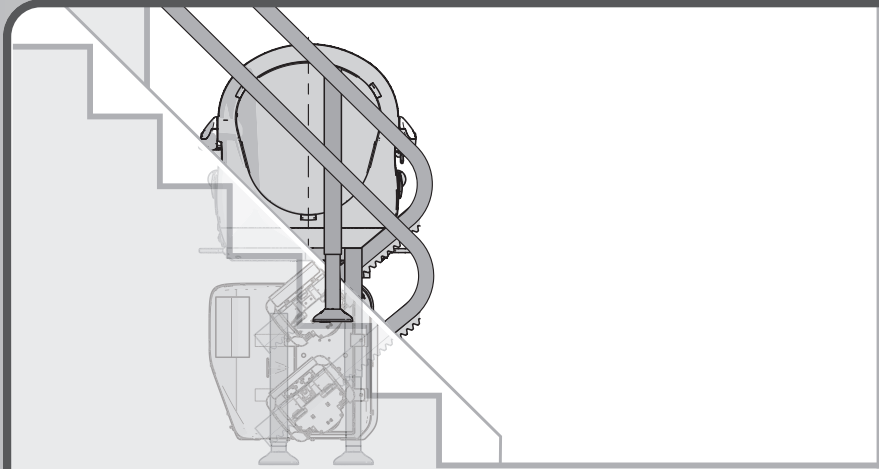
home



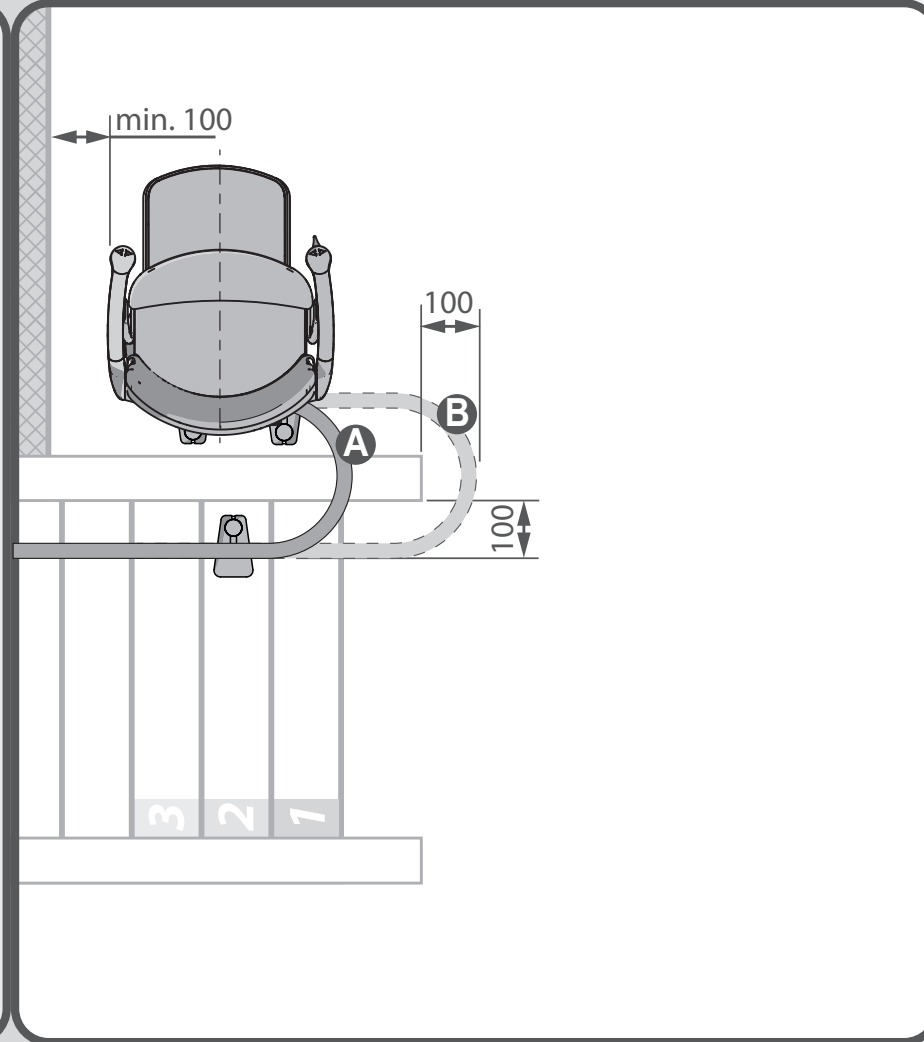
handicare

180° PARK INSIDE_standard

SIDE VIEW



TOP VIEW



DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R_+guard

HORIZONTAL

90° PARK_St.

90° PARK_Hor.

180° PARK_St.

180° PARK_Hor.

A Rail over stringer (if the rail goes over the stringer, don't forget to measure the stringer with obstacle markers).

B Rail around wall.



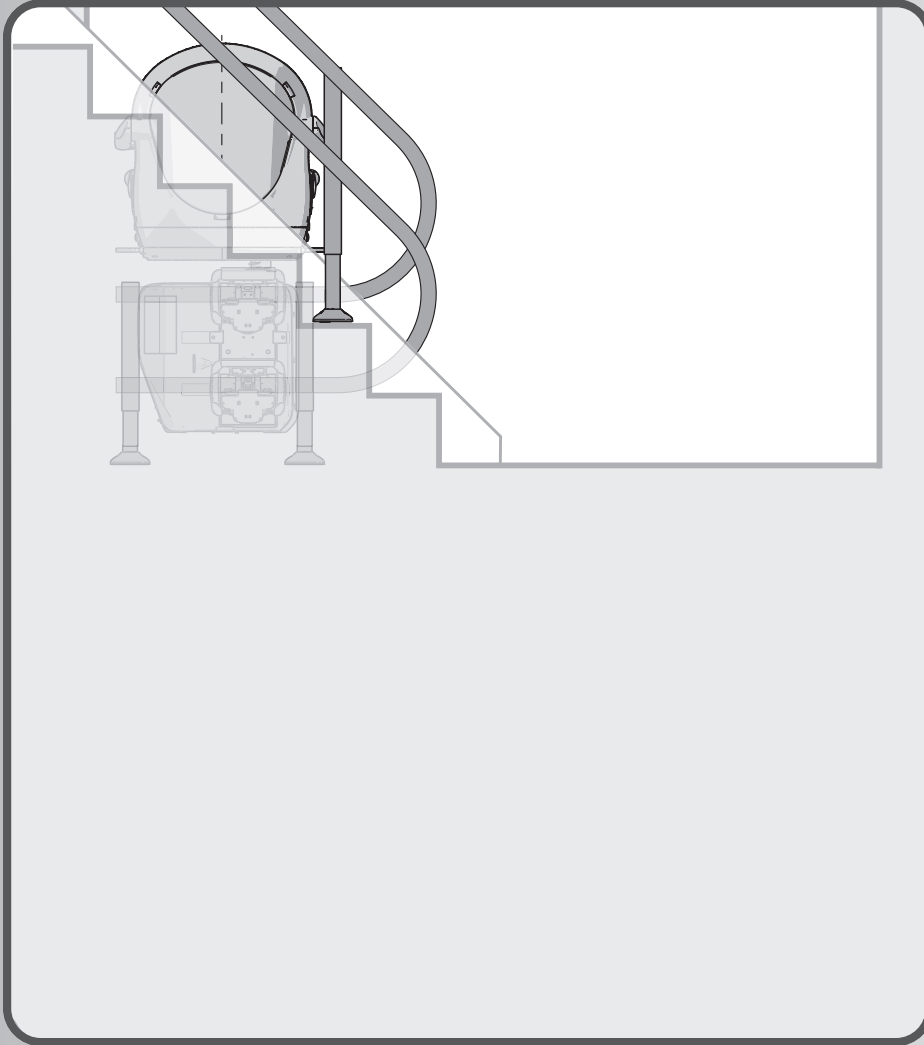
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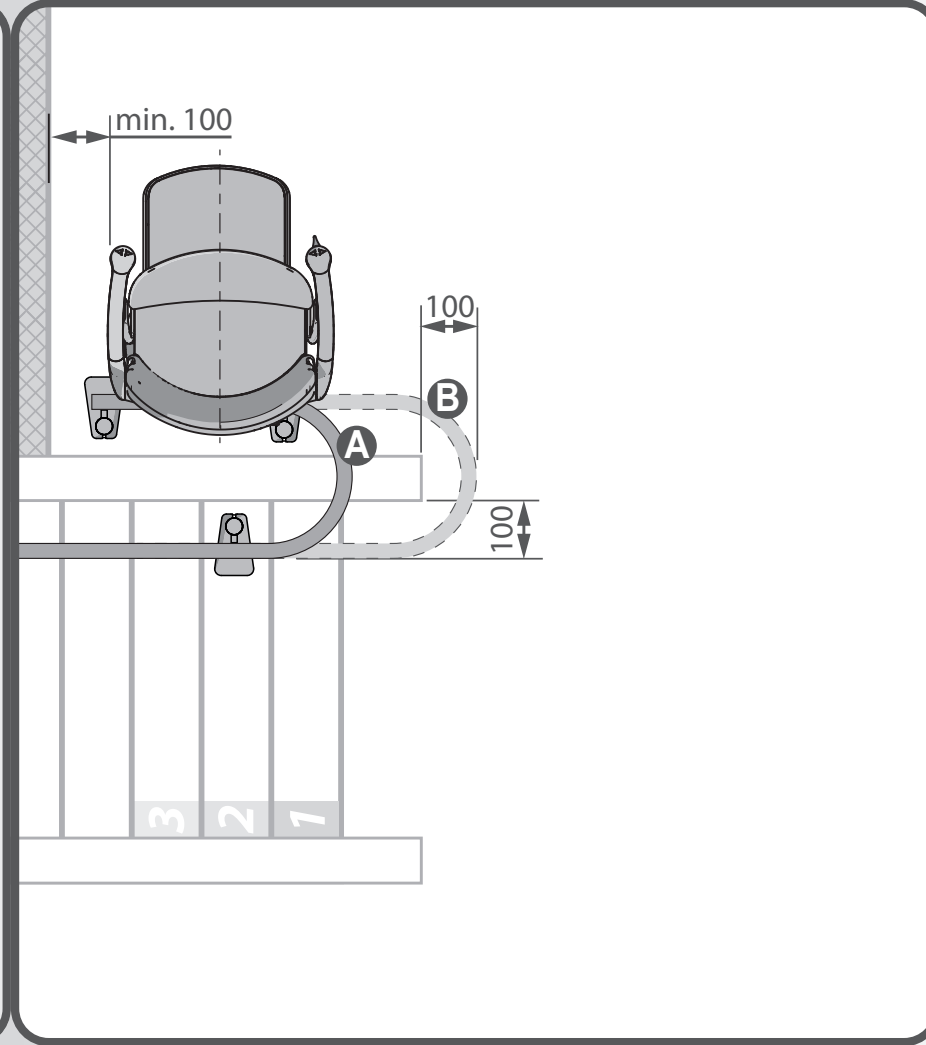
 handicare

180° PARK INSIDE_horizontal

SIDE VIEW



TOP VIEW



- A** Rail over stringer (if the rail goes over the stringer, don't forget to measure the stringer with obstacle markers).
- B** Rail around wall.



DOWNSTAIRS

STANDARD

SHORT RAILEND

SHORT R₊guard

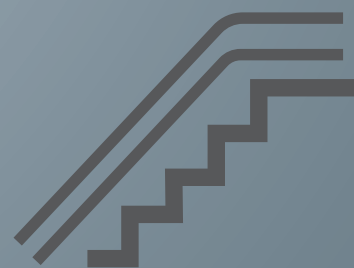
HORIZONTAL

90° PARK_St.

90° PARK_Hor.

180° PARK_St.

180° PARK_Hor.



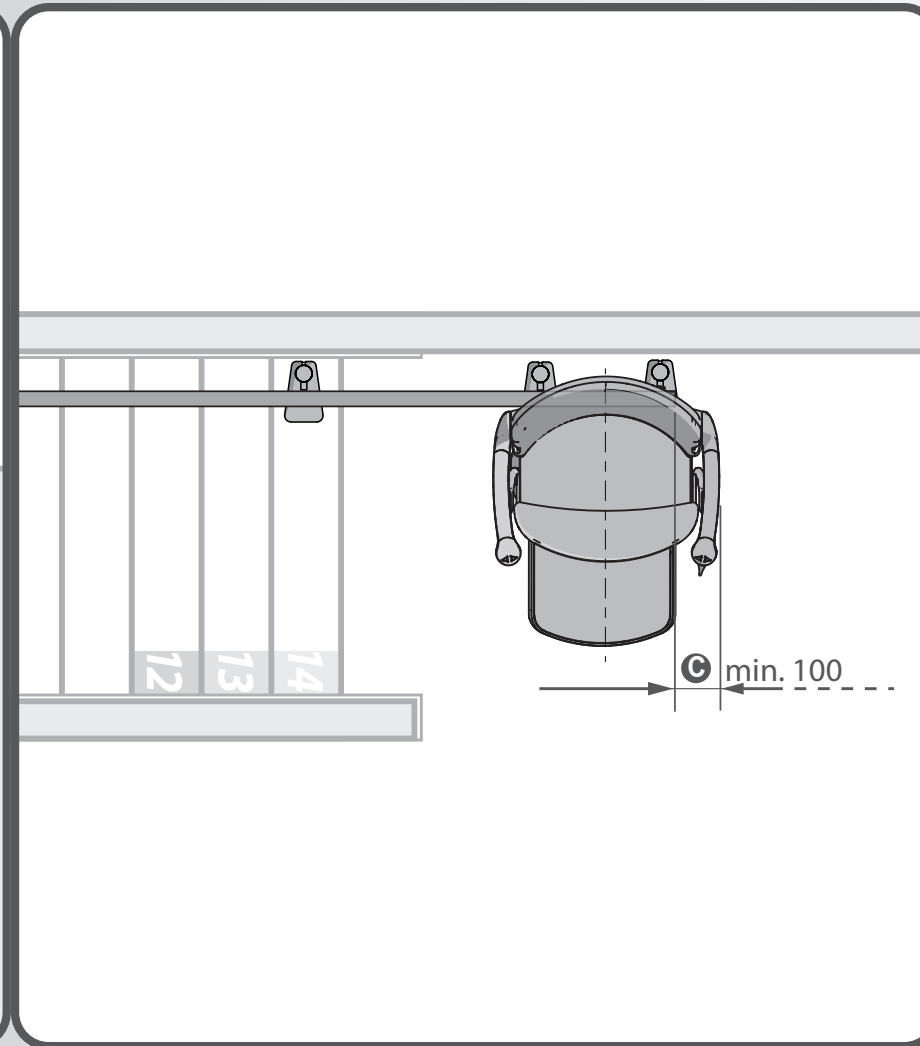
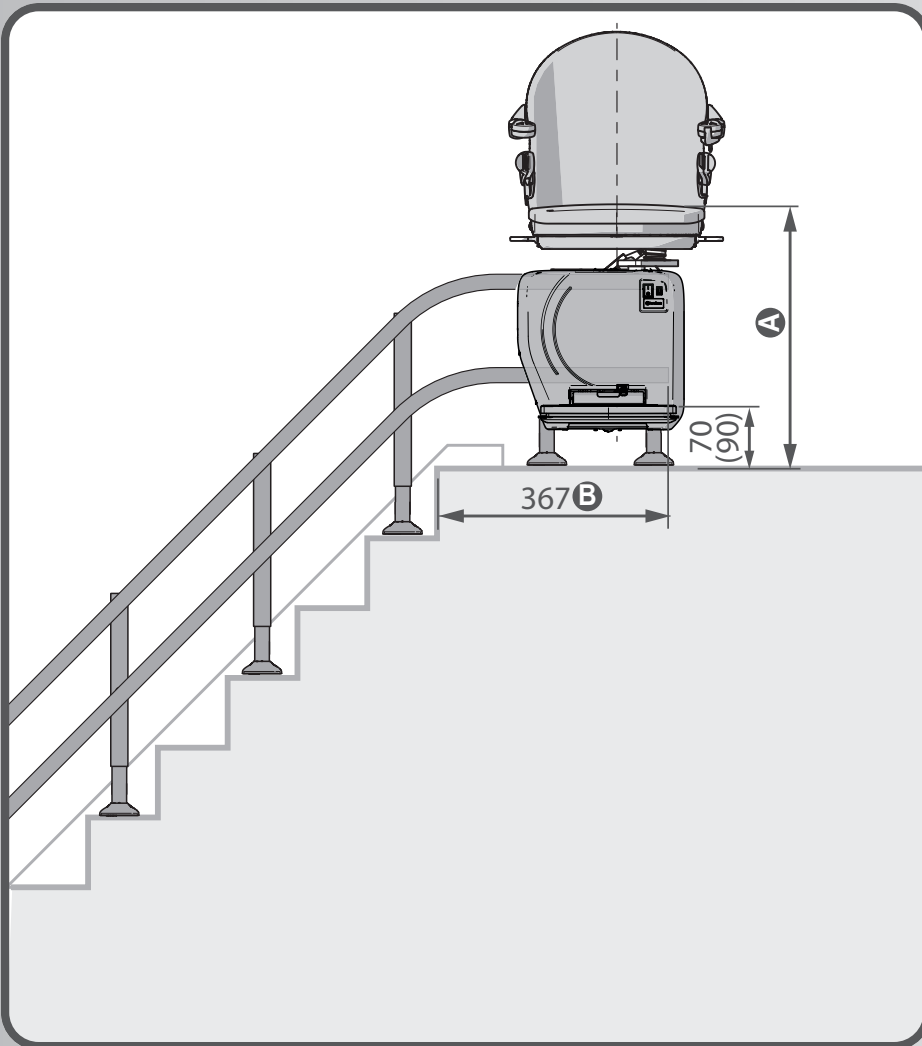
Upstairs



STANDARD

SIDE VIEW

TOP VIEW



UPSTAIRS

STANDARD

FOOTREST "0"

ST...+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK

A Distance from Floor to Seat Cushion:

Simplicity: 540 - 620 mm
Style: 540 - 620 mm
Smart: 560 - 660 mm

B 367 mm is recommended. Shorter or longer is possible. When shorter the chair needs to be swivelled before getting on/off.

C **Simplicity:** 94 mm

Style: 94 mm
Smart: 105 mm

Value shown in brackets are when footplate is set in higher position.



home

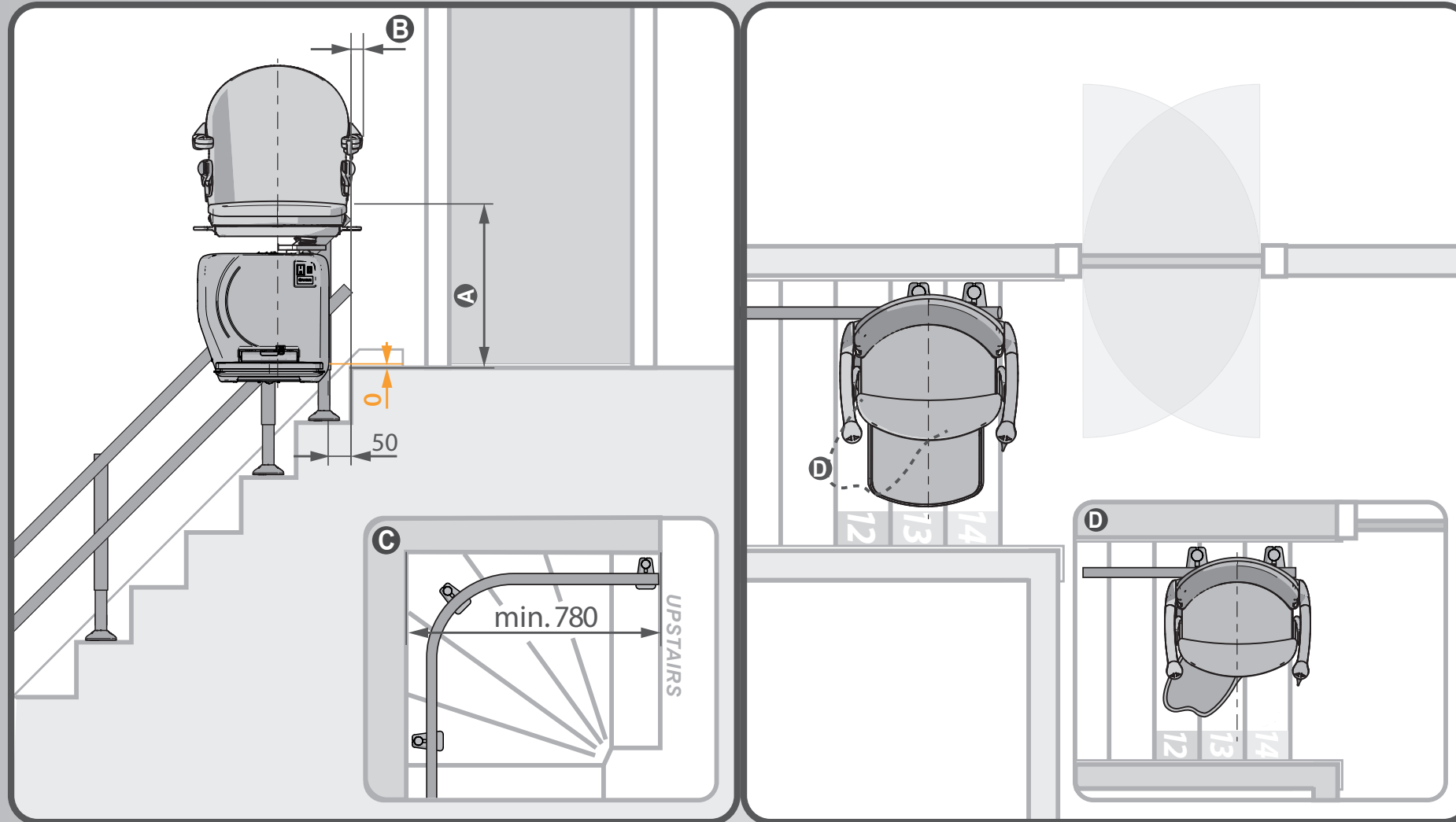


handicare

SIDE VIEW

FOOTREST '0'

TOP VIEW



A Simplicity: 470 - 550 mm
 Style: 470 - 550 mm
 Smart: 490 - 590 mm

B Simplicity: 164 mm
 Style: 164 mm
 Smart: 175 mm

D Footrest level in combination with an extended footrest creates a large gap/tripping hazard.

UPSTAIRS

STANDARD

FOOTREST "0"

ST...+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



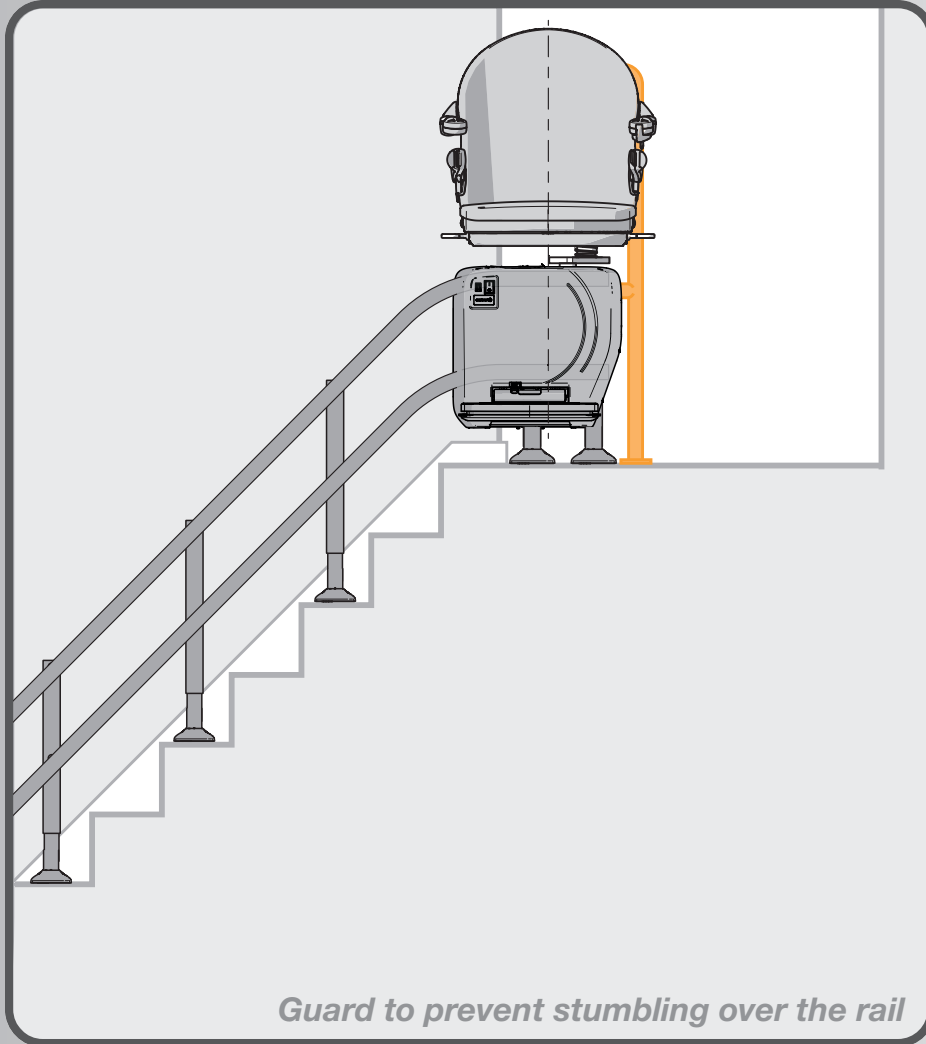
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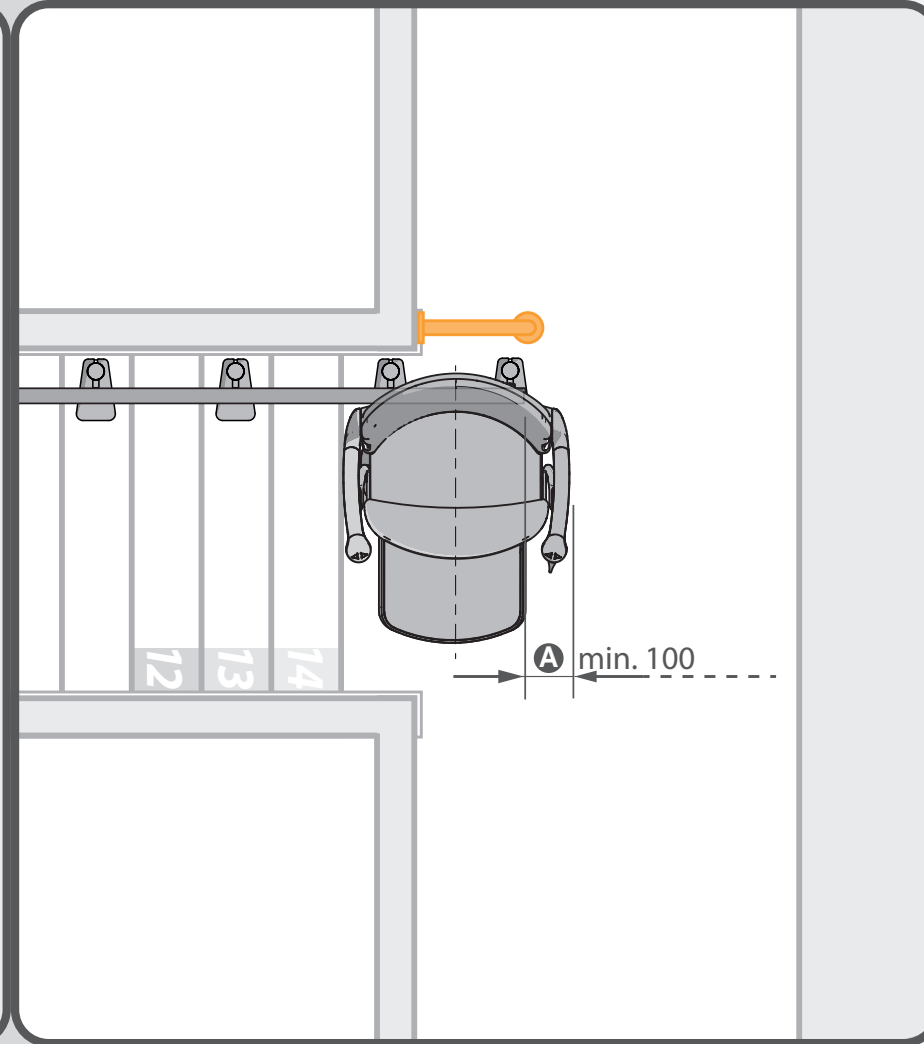
SIDE VIEW

STANDARD_+guard

TOP VIEW



Guard to prevent stumbling over the rail



Guards available in following dimensions
 Guard Rail - Small (100x700)
 Guard Rail - Regular (150x800)
 Guard Rail -Larger (200x900)

A Simplicity:	94 mm
Style:	94 mm
Smart:	105 mm

UPSTAIRS

STANDARD

FOOTREST "0"

ST._+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



home

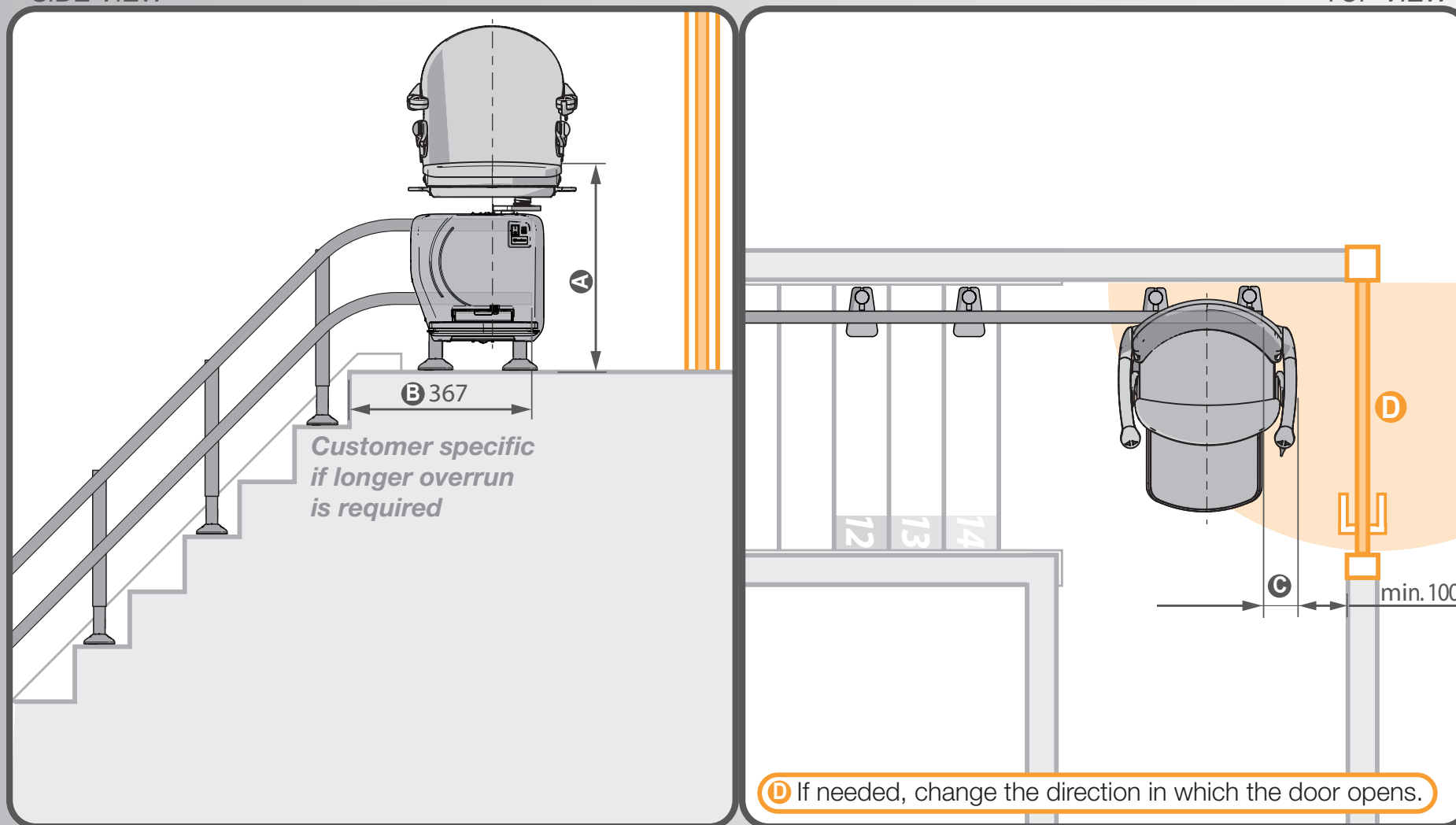


handicare

SIDE VIEW

DOOR IN FRONT

TOP VIEW



A Distance from Floor to Seat Cushion:

Simplicity: 540 - 620 mm
Style: 540 - 620 mm
Smart: 560 - 660 mm

B 367 mm is recommended. Shorter or longer is possible. When shorter the chair needs to be swivelled before getting on/off.

C **Simplicity:** 94 mm

Style: 94 mm
Smart: 105 mm

Value shown in brackets are when footplate is set in higher position.

UPSTAIRS

STANDARD

FOOTREST "0"

ST._+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



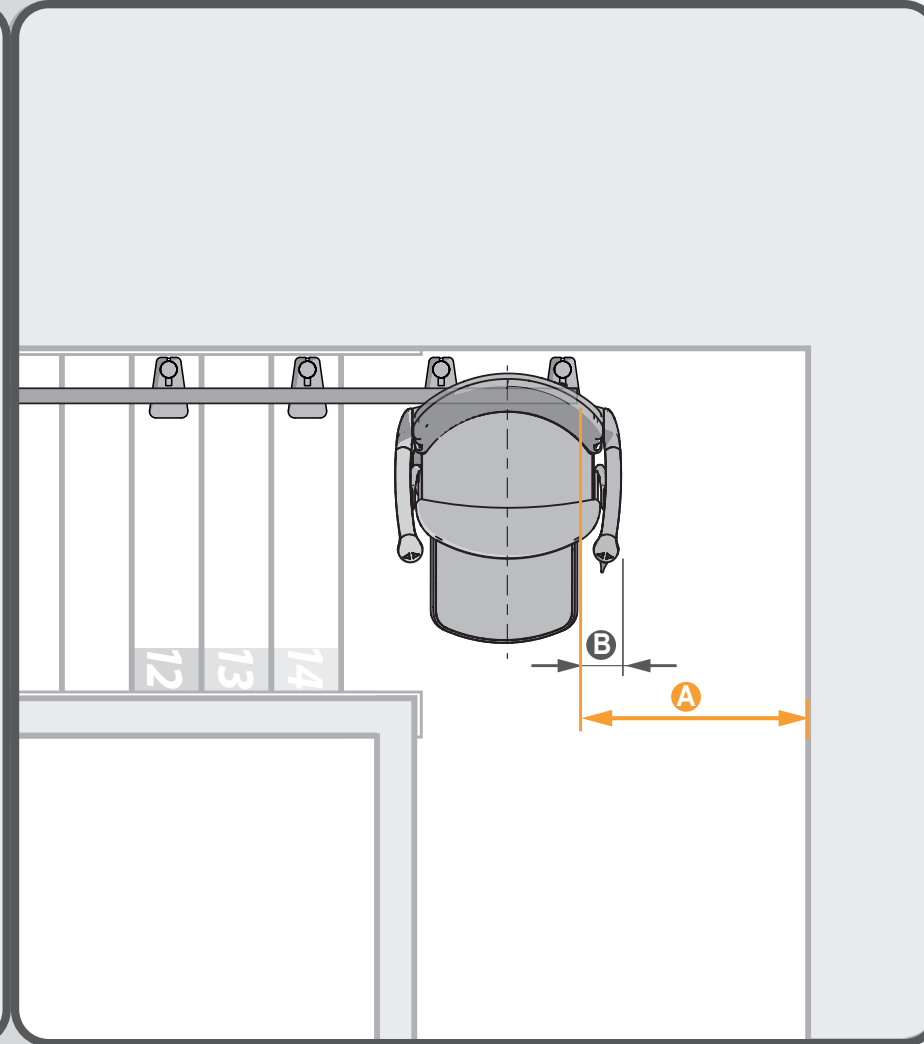
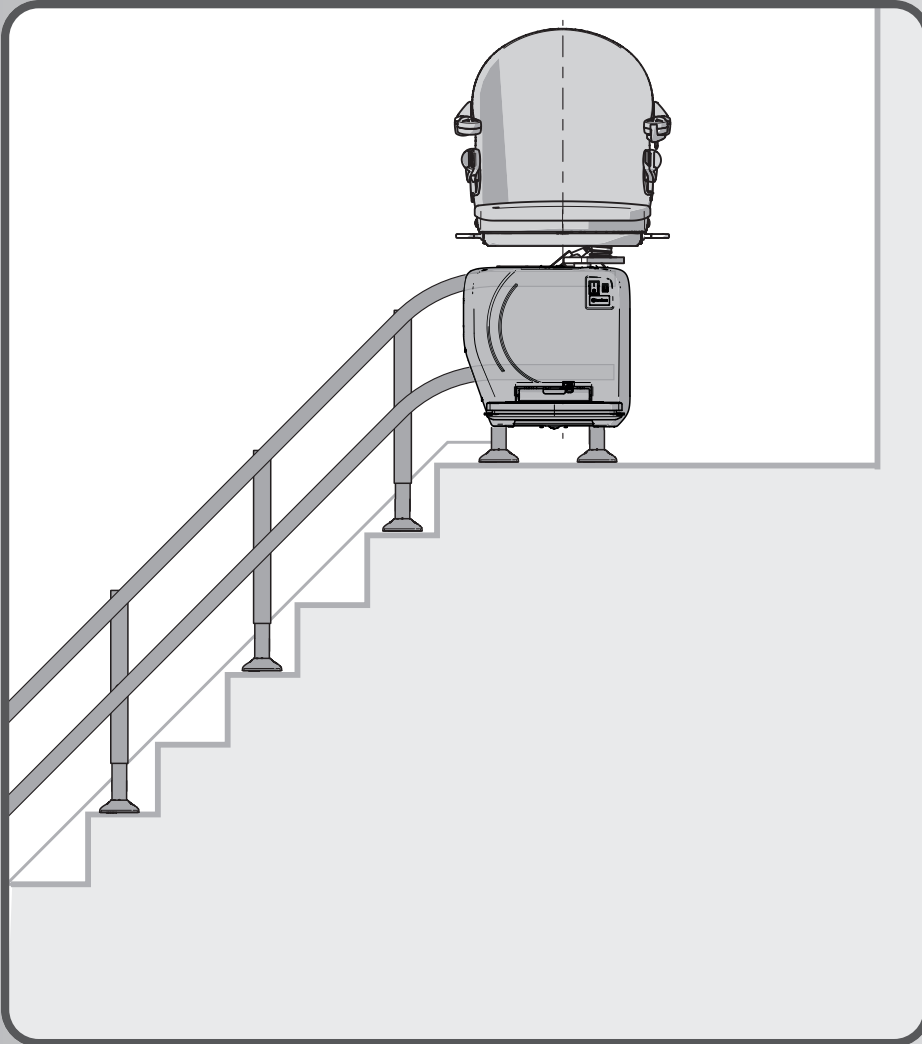
home



SIDE VIEW

ALLEY

TOP VIEW



A Clearance is needed for service and installation.

B **Simplicity:** 94 mm
Style: 94 mm
Smart: 105 mm

UPSTAIRS

STANDARD

FOOTREST "0"

ST.+guard

DOOR IN FRONT

ALLEY

INNER SIDE_{min.}?INNER SIDE_{max.}?

90° PARK

180° PARK



home

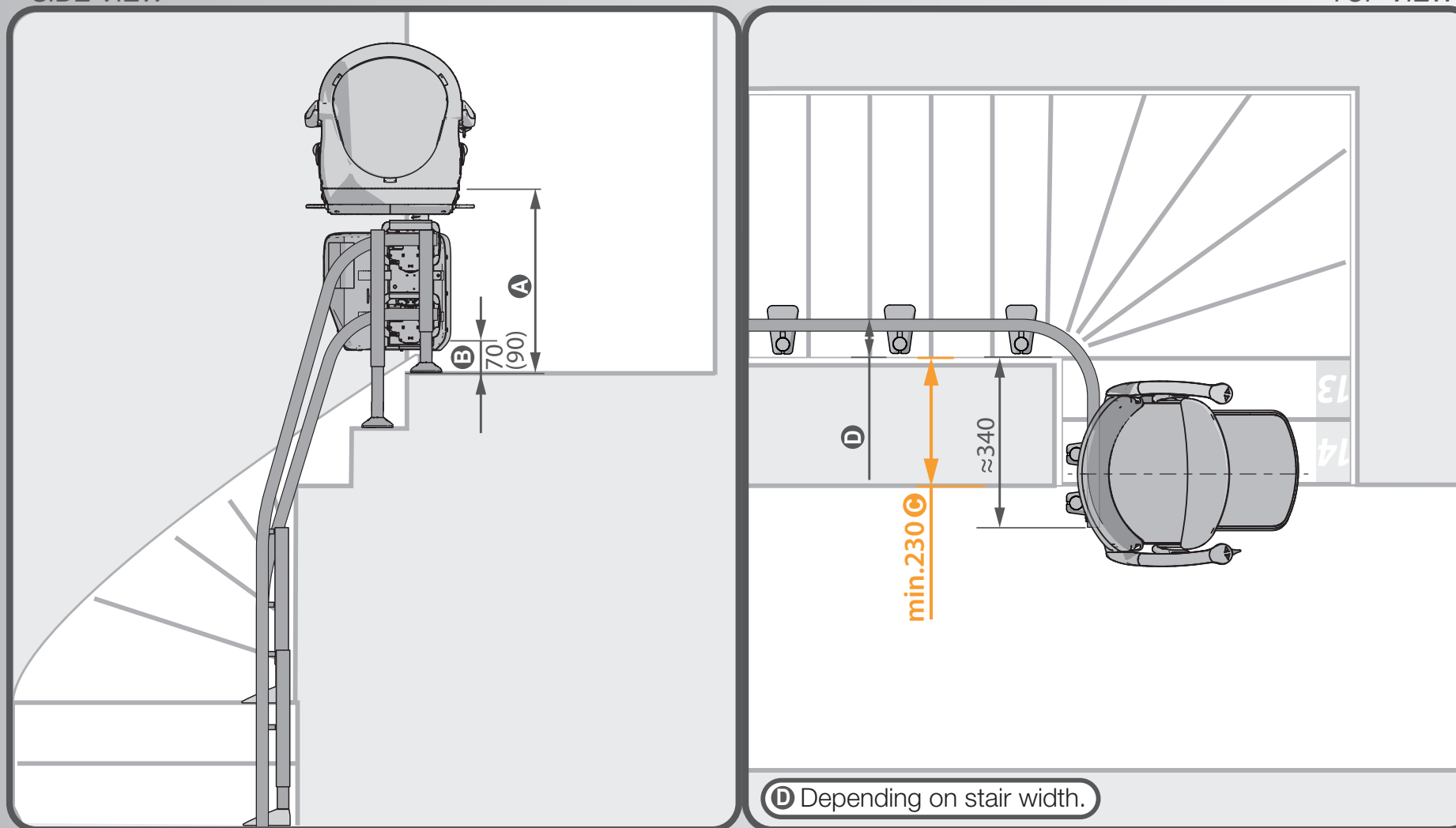


handicare

SIDE VIEW

INNER SIDE_min. ?mm

TOP VIEW



A Simplicity: 540 - 620 mm
 Style: 540 - 620 mm
 Smart: 560 - 660 mm

B Measures are for footrest level, might differ dependant on rail angle and length of overrun.

C If size is more than 230 mm the rail ends horizontal.

UPSTAIRS

STANDARD

FOOTREST "0"

ST.+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



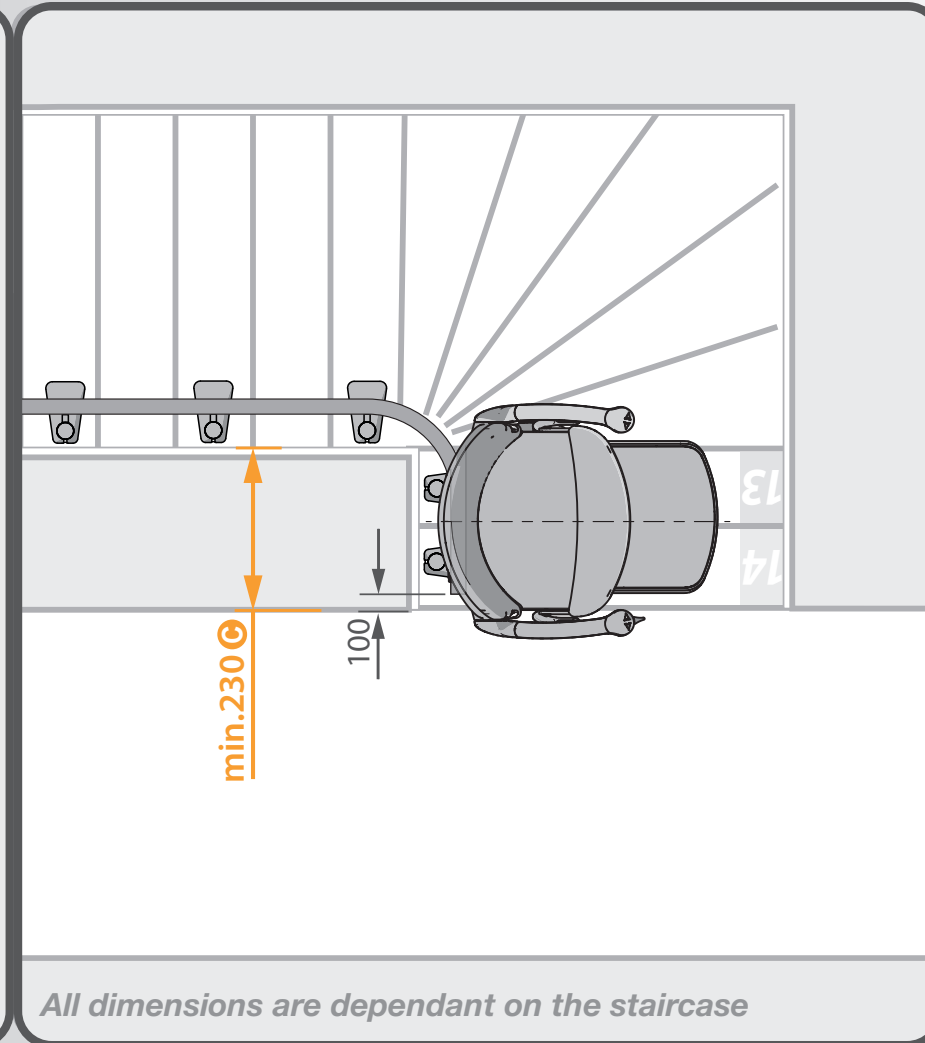
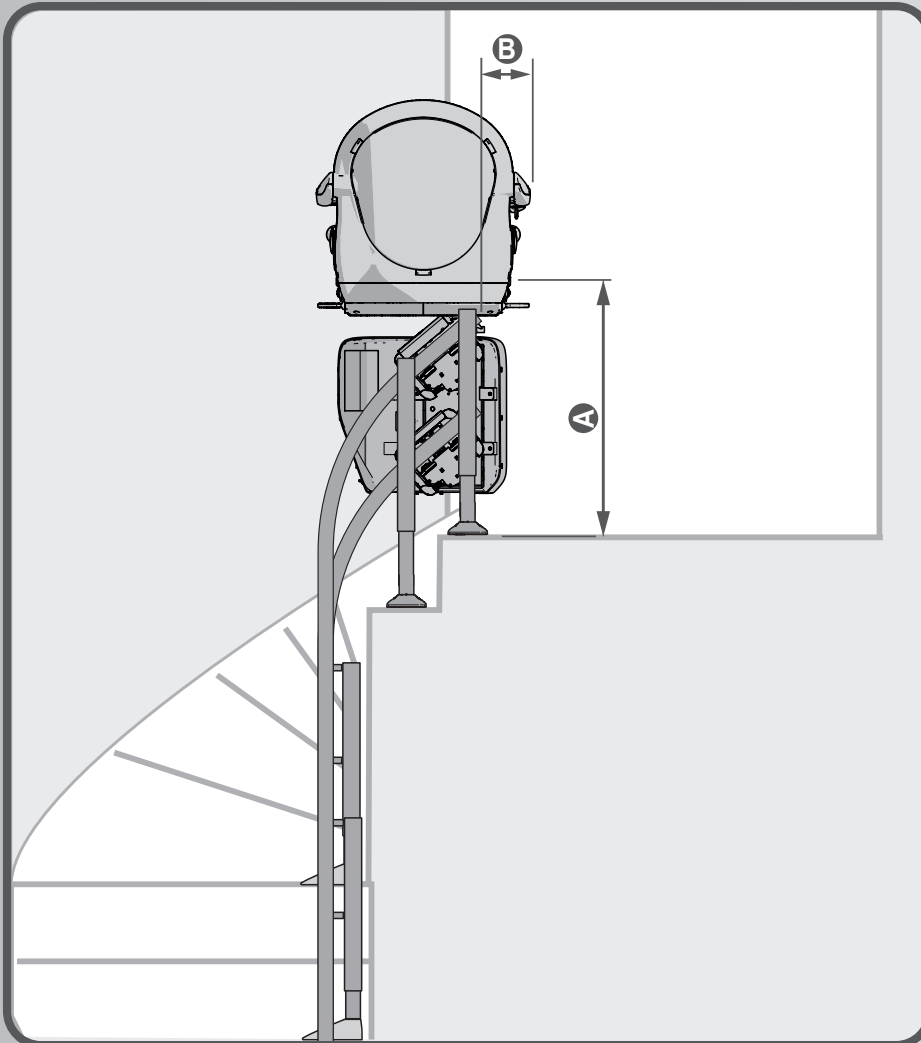
home



SIDE VIEW

INNER SIDE_max. ?mm

TOP VIEW



UPSTAIRS

STANDARD

FOOTREST "0"

ST._+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK

A Measures dependant on rail angle and length of overrun.

B Simplicity: 164 mm
Style: 164 mm
Smart: 175 mm

C If size is less than 230 mm the rail ends at an angle.



home

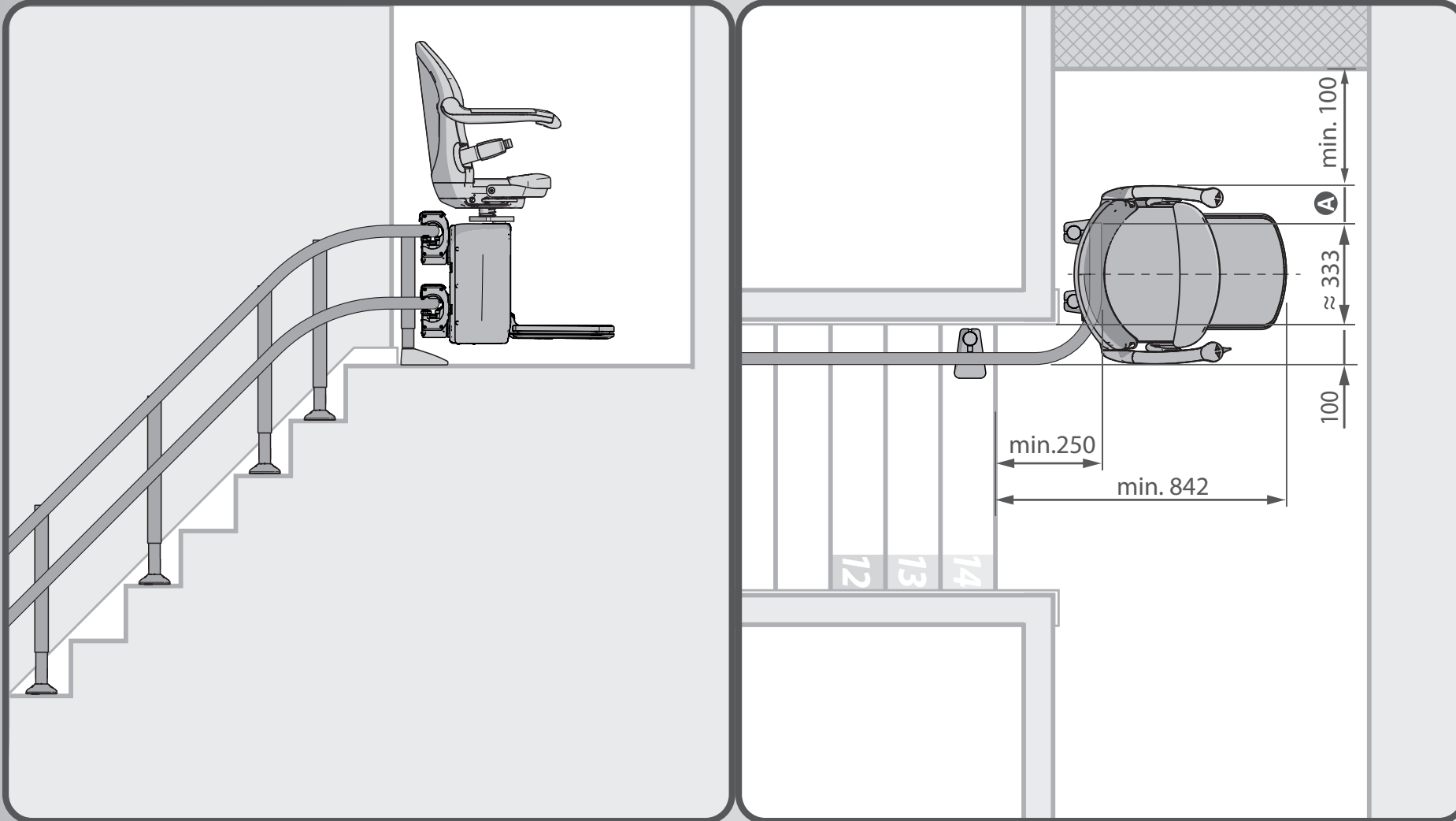


 handicare

90° PARK INSIDE

SIDE VIEW

TOP VIEW



A Simplicity:	94 mm
Style:	94 mm
Smart:	105 mm

UPSTAIRS

STANDARD

FOOTREST "0"

ST.+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



home

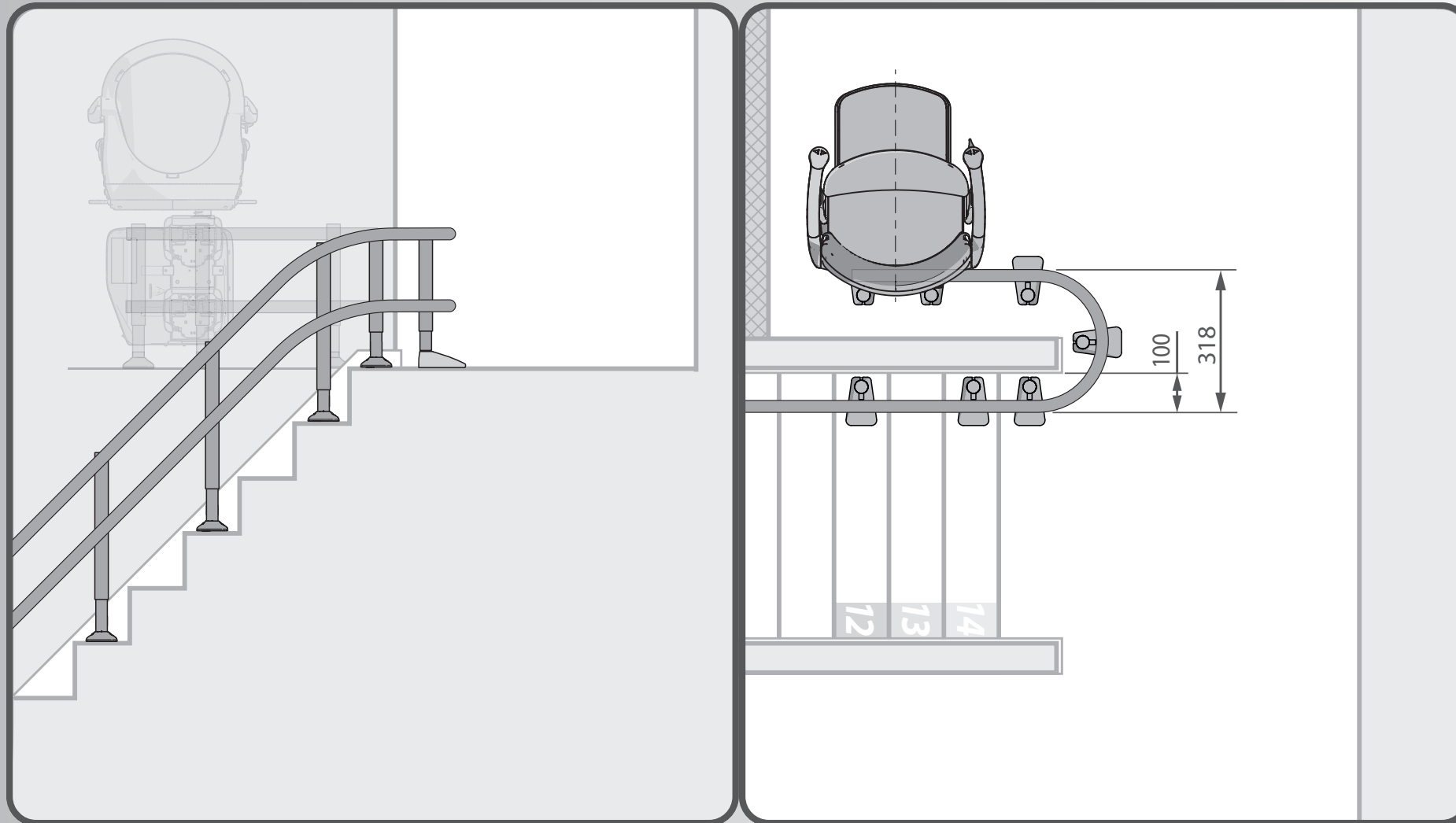


handicare

180° PARK INSIDE

SIDE VIEW

TOP VIEW



UPSTAIRS

STANDARD

FOOTREST "0"

ST._+guard

DOOR IN FRONT

ALLEY

INNER SIDE_min.?

INNER SIDE_max.?

90° PARK

180° PARK



home



handicare

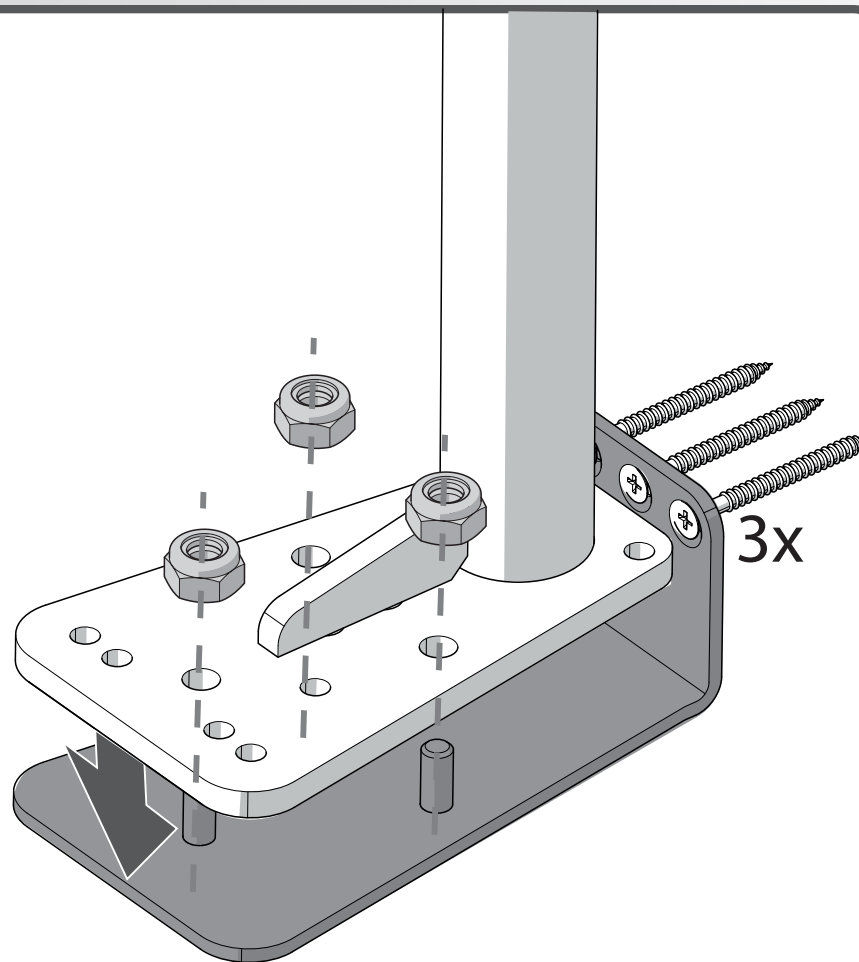
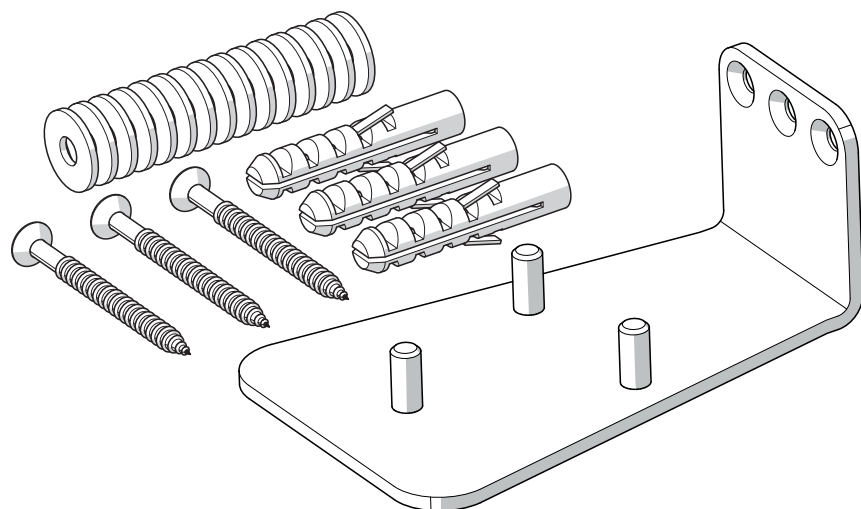


Attachments



3D-VIEW

UNDERFLOOR BRACKET



MOUNTING

UNDERFLOOR
BRACKETS

SPACER PLATES

Wall mounted plate for installations where service pipes/underfloor heating may limit floor fixation.



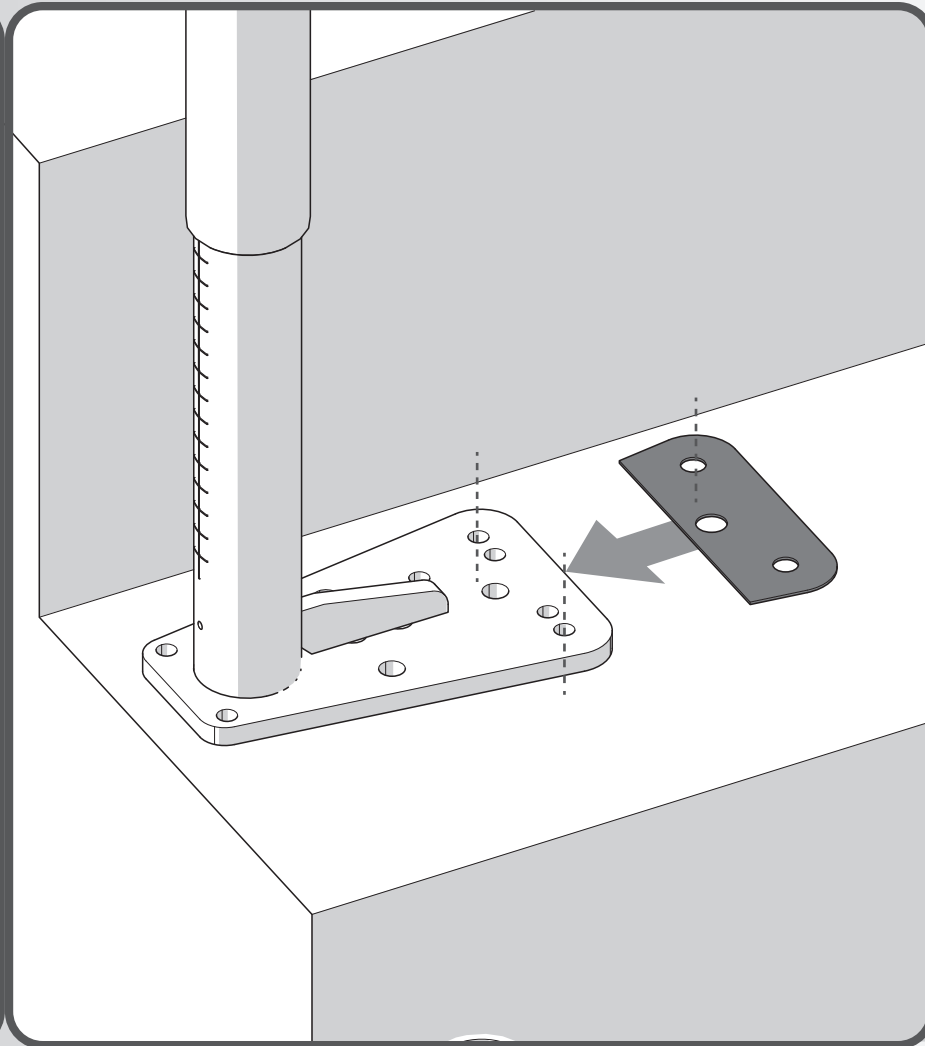
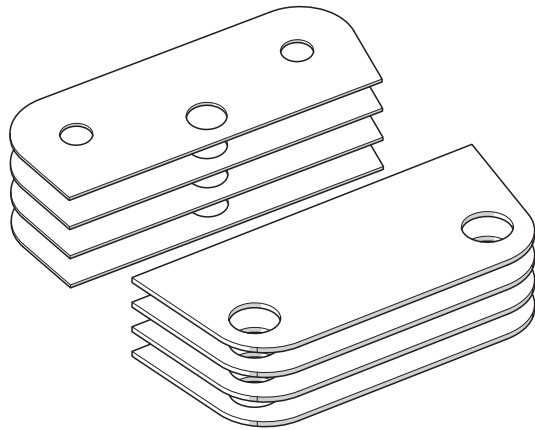
home



 handicare

3D-VIEW

SPACER PLATES



MOUNTING

UNDERFLOOR
BRACKETS

SPACER PLATES

Spacer plates for uneven floor types or carpet runners.





Tools



PHOTOSURVEY



PHOTOSURVEY 4D
by Handicare®

To shorten the design process, prevent measurement errors, and to get a good idea of what the stairlift will look like in the customer's home environment, Handicare has developed PhotoSurvey4D. This is the number 1 measurement tool that provides 100% reliable measurements and 3D visualisation of the stairlift on the customer's stairs. Handicare PhotoSurvey4D lets you show your customer the Handicare solution there and then.

Given that specific technical skills are no longer required, PhotoSurvey4D is easy to integrate into the sales process. It will allow you to save both time and money. Using this system and a mobile internet connection, your measurement or complete rail design can be at Handicare and accepted for further processing within 30 minutes!

TOOLS

PHOTOSURVEY





Certificate





liftinstituut
SINCE 1933



EC-TYPE EXAMINATION CERTIFICATE

Acting under the Warenwetbesluit machines issued by Liftinstituut B.V.
identification number Notified Body D400,
commissioned by departmental order no. 2022-0000107366

Certificate no.	: NL22-400-1001-120-06	Revision no.:	
Description of the product	: Battery operated stairlift with chair carriage on a twin rail curved track system		
Trademark	: Handicare		
Type no.	: Handicare, 4000 series		
Name and address of the manufacturer	: Handicare Accessibility Ltd. 82 First Avenue Pensnett Estate Kingswinford, West Midlands DY6 7FJ United Kingdom		
Name and address of the certificate holder	: Handicare Accessibility Ltd. 82 First Avenue Pensnett Estate Kingswinford, West Midlands DY6 7FJ United Kingdom		
Certificate issued on the following requirements	: Machinery directive 2006/42/EC		
Certificate based on the following standards	: Parts of: EN81-40:2008, EN 81-40:2020		
Date of EC-type examination	: May-September 2022		
Additional document with this certificate	: Report belonging to the EC-type examination certificate no.: NL22-400-1001-120-06		
Additional remarks	: Maximum load 137 kg / 160 kg Maximum speed 0.12 m/s Minimum - Maximum inclination 0° - 56° Maximum rail length 0° - 45° 18 m / 15 m Maximum rail length 46° - 56° 15 m / 12 m Controller HAN125 V1-06 Furthermore see chapter 2 & 5 of the report belonging to this EC-type examination certificate.		
Conclusion	: The machine meets the requirements of the Machinery directive 2006/42/EC taking into account any additional remarks mentioned above.		

Amsterdam

Date : 20-10-2022
Valid until : 15-04-2023

ing A.J. van Ommen
International Business
Manager

Certification decision by

Liftinstituut B.V. · Buikslotermeerplein 381 · P.O. Box 36027 · 1020 MA Amsterdam Netherlands · www.liftinstituut.com
· Registered at the KvK under number 34157363 ·

F23-04-03-v22.0

A stairlift has more moving parts and therefore is it classed as a machine.

The stairlift 4000 applies:

- the machine directive 2006/42/EEG
- the low voltage directive 2006/95/EEG
- the EMC-directive 2004/108/EEG

On behalf of this information an approval on site is not necessary.

Handicare has made a risk analysis and a technical construction file. Due to confidential information, this will not be published.

Because the stairlift complies with the machine directive and is type approved, it is not permitted to make any changes on the stairlift, which affects the safety, the construction and/or the functionality of the stairlift.

A certified engineer shall install the stairlift with original parts according to the delivered installation manual.

After the engineer has shown the functions and the safety aspects of the stairlift, the instructed person declaration shall be signed by both the engineer and the customer.

This declaration is stored at the dealer's.

At last the CE sticker is put on the stairlift by the engineer.

APPROVAL

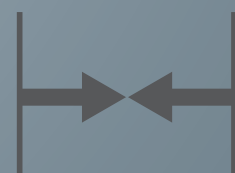
EC CERTIFICATE



home



handicare



Summary

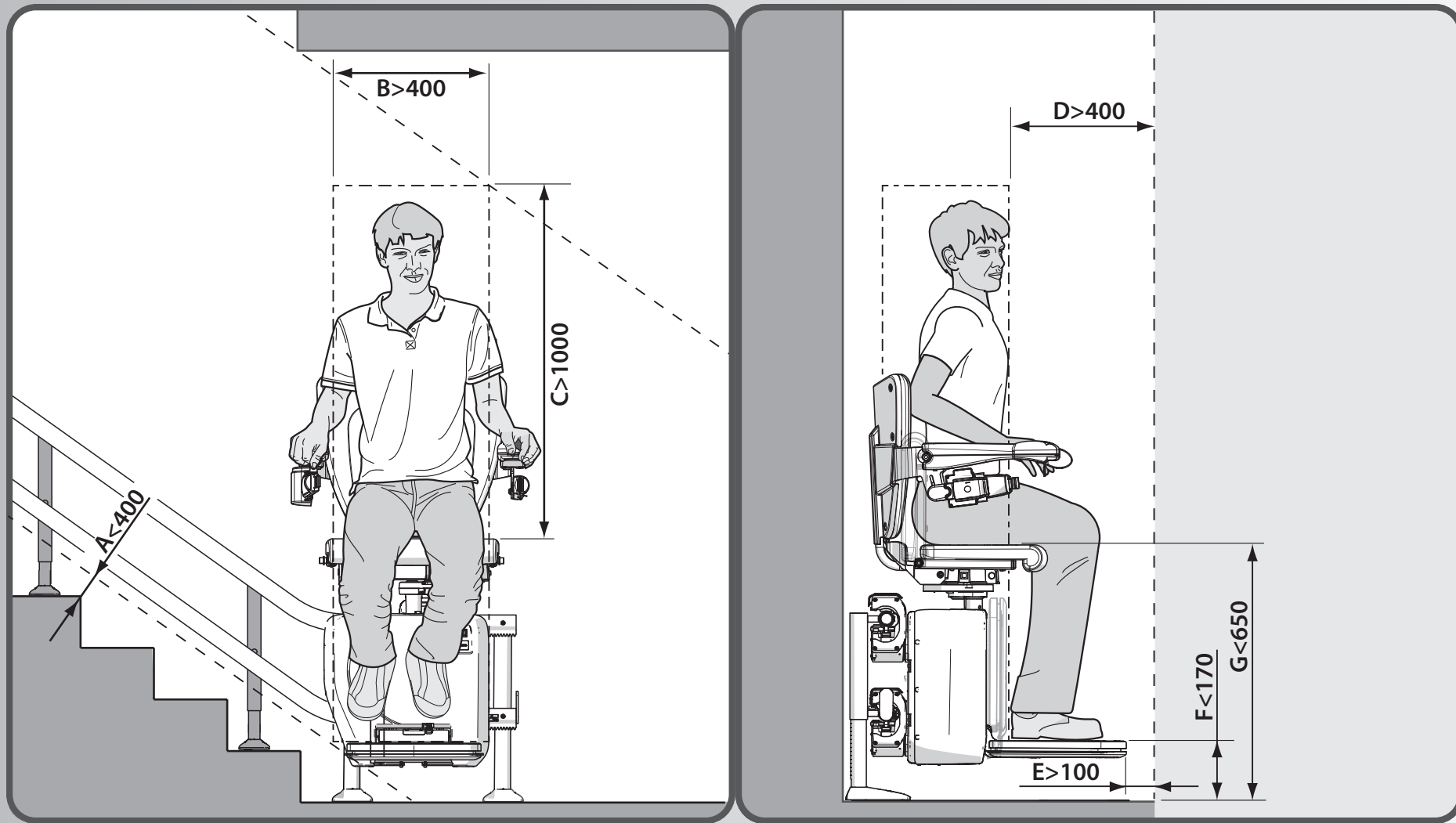


SUMMARY CONDITIONS

SUMMARY



SUMMARY CONDITIONS



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This manual has been compiled with the best intentions and every possible care but the manufacturer cannot accept responsibility for any errors in this manual or for the consequences thereof.

The Dutch manual is the original language.

**Handicare Stairlifts B.V**

Newtonstraat 35
1704 SB Heerhugowaard
The Netherlands
T +31 (0)72 576 88 88
F +31 (0)72 574 34 35
stairlifts@handicare.com

Handicare Accessibility Ltd

82 First Avenue, Pensnett Estate
Kingswinford, West Midlands
DY6 7FJ United Kingdom
T. +44 (0)1384 408700
F. +44 (0)1384 408719
E. enquiries@handicare.co.uk

Handicare Monte-escaliers

4 Rue des Piverts
ZAC de l' Aunaie
91610 Ballancourt-sur-Essonne
France
Tel: +33 (0) 1 69 46 86 10
Fax: +33 (0) 1 69 46 86 19
monte-escaliers@handicare.fr

Handicare GmbH

Hausberger Straße 16
32457 Porta Westfalica
Deutschland
Tel: +49 (0) 571 973398-55
Fax: +49 (0) 571 973398-56
data@handicare.com

Handicare Montascale Italia

Via Chiaviche 17
46020 Pegognaga (MN)
Italy
Tel: +39 (0) 376 143 3516
handicare-montascale.it

Handicare

10888 Metro Court
St. Louis, MO 63043
United States of America
Toll Free: 1.866.891.6502
Local: 314.692.9135
Fax: 314.692.7858
sales.us@handicare.com

Handicare Canada

81 Romina Drive,
Concord, ON L4K 4Z9
Canada
T : 905.850.9003
F : 416.260.0256

