

Curved Stairs Model **260**

Features, Benefits and Technical Information

Siena

Curved Rail



Stannah

Siena Overview



With a cushioned back and generously upholstered seat, the Siena offers true comfort.

1 Ergonomically-designed chair

Simple and elegant, designed for maximum comfort.

2 Upholstery

Choose from five classic colours made of heavy duty vinyl with antimicrobial protection.

3 Control

Operated with a light touch, by the fingers or by the side of your hand.

4 Easy fold

Armrests, seat and footrest fold neatly away to leave ample space on your stairs.

5 Seatbelt **

Easy-to-use seatbelt that can be fastened with one hand. See pages 11/12 for more information on seatbelt options.

6 Swivel Levers

Swivel levers or the optional powered swivel seat lets the user get off the stairlift in the safest possible position at the top and bottom of the stairs.

7 Safety Edges

Located around the stairlift base ensure it stops immediately if it meets an obstruction on the stairs.

8 Master power switch

Located on the front of the carriage should be left switched on. The stairlift will not work if this switch is off.

Can be switched off if the stairlift is not to be used for more than a week.

9 Arm Isolation

Prevents the stairlift from being operated unless the downside arm is fully down.

10 Optional Powered Footrest Button

The optional powered footrest is ideal if it is difficult lifting feet to get on to the stairlift.

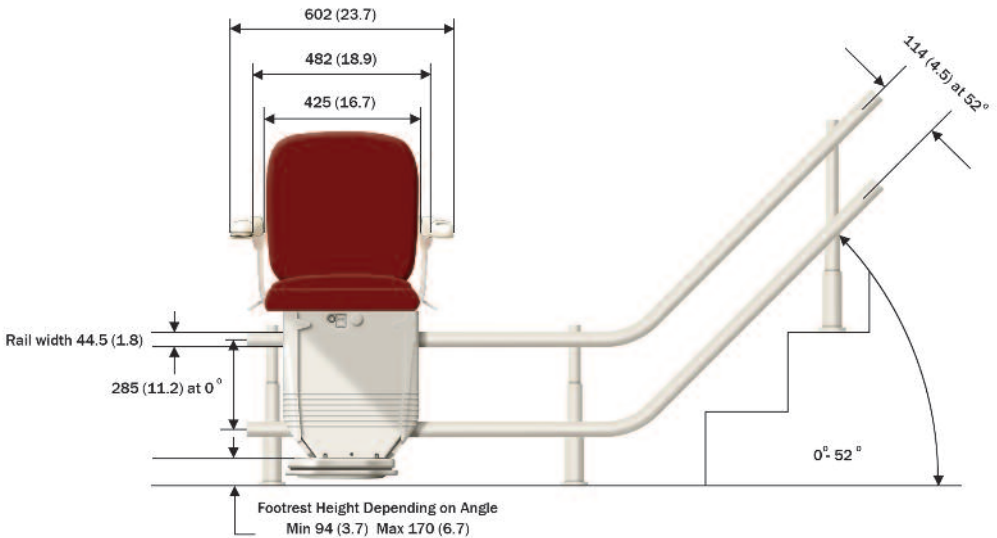
Two chair widths

Two chair widths – a standard and a XL version tailored to the user and their staircase.

** For EN81-40 compliant countries, the seatbelt must be fitted.

Siena Dimensions

Dimensions shown - Standard Arms - Manual swivel, one-way automatic swivel and two-way automatic swivel seat



All product dimensions are accurate, however, you should add approximately 30mm (1.2 inches) on dimensions that require clearance for the user, such as the minimum swivel width dimension.

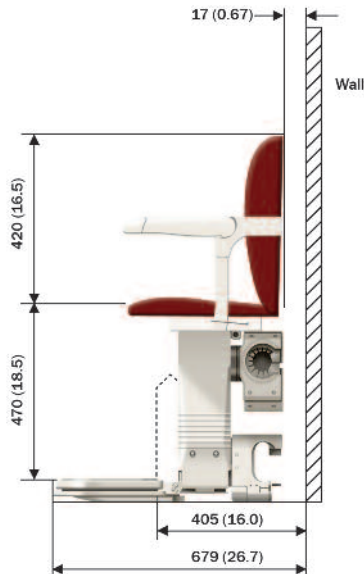
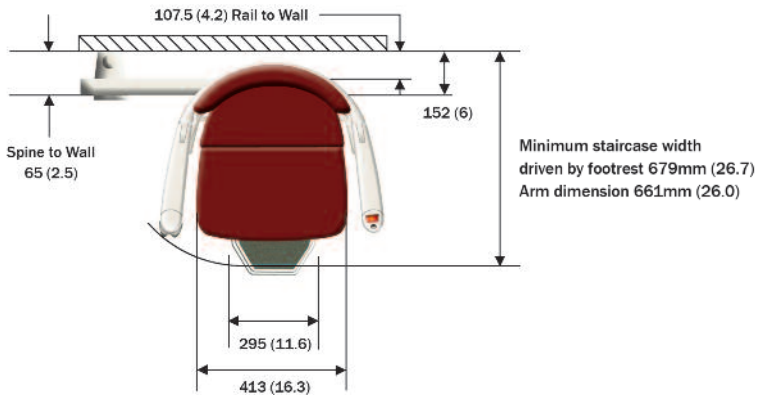
Measurements are in millimetres. Measurements in brackets / parentheses are inches. All dimensions measured from the wall are nominal. The addition of a wide stringer (20mm+) baseboard or similar obstruction may affect the dimensions taken from this point. (The colour representation of the chair shown above is for illustrative purposes only).

Maximum user weight: Load 135kg (21 stone) 300lbs

Speed: 0.1 metre per second (18'/ min).

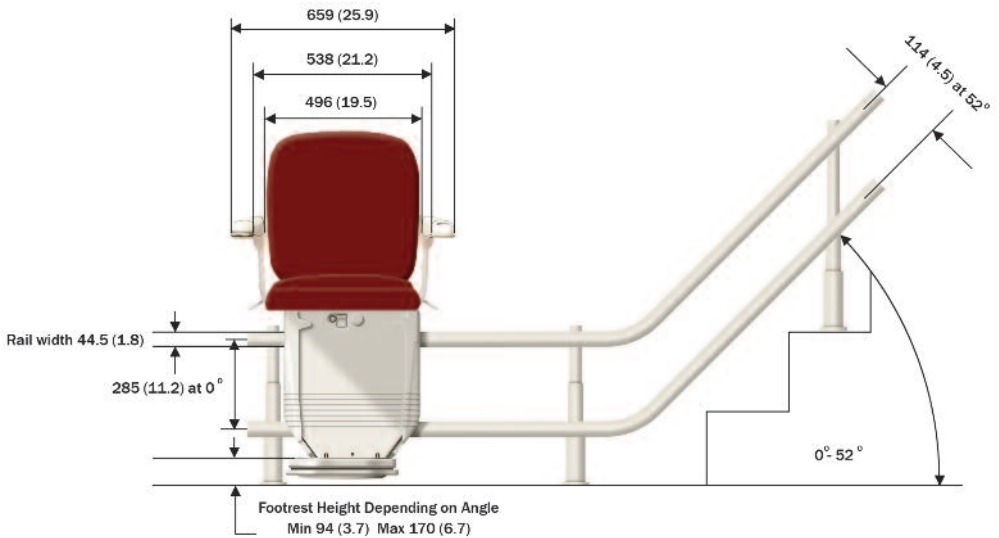
Siena Dimensions

Dimensions shown - Standard Arms - Manual swivel, one-way automatic swivel and two-way automatic swivel seat



Siena Dimensions

Dimensions shown - XL Arms - Manual swivel, one-way automatic swivel and two-way automatic swivel seat



All product dimensions are accurate, however, you should add approximately 30mm (1.2 inches) on dimensions that require clearance for the user, such as the minimum swivel width dimension.

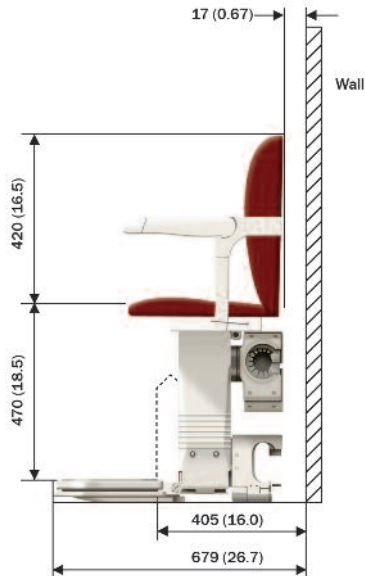
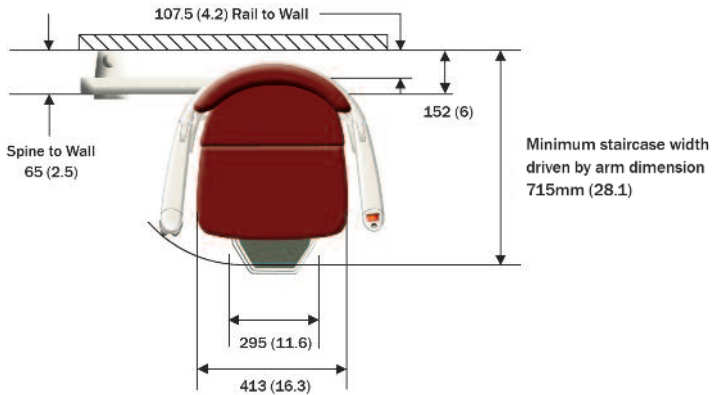
Measurements are in millimetres. Measurements in brackets / parentheses are inches. All dimensions measured from the wall are nominal. The addition of a wide stringer (20mm+) baseboard or similar obstruction may affect the dimensions taken from this point. (The colour representation of the chair shown above is for illustrative purposes only).

Maximum user weight: Load 135kg (21 stone) 300lbs

Speed: 0.1 metre per second (18'/ min).

Siena Dimensions

Dimensions shown - XL Arms - Manual swivel, one-way automatic swivel and two-way automatic swivel seat



Siena Technical Information

Seat:

Seat type	Seat - swivels to face landing
Materials	Steel frame with flame retardant upholstery
Armrests	Two sturdy armrests
Switches	Master power switch - located on front of carriage On/Off switch - located on end of arm
Load	135kg (approx 21 stone) 300lbs
Swivel control	Manual swivel - operated via the swivel levers. See page 10 for more information. Powered swivel – operated by / via the control – see page 10 for more information. Two-way powered swivel – operated via the control – see page 10 for more information* * Does not work on an intermediate stop.

Footrest:

Construction	Cast aluminium alloy
Finish	Epoxy powder-coated with a ABS plastic cover
Carpet	Pile with latex back, conforms to BS4790
Safety	Safety edges operate in direction of travel
Folding	Lever control or optional footrest fold button.

Rail:

Construction	Two steel tubes, one above the other, tailored to suit individual staircases
Finish	Epoxy powder-coated. 6 colours available
Fixing	Screwed to the staircase via leg supports
Min. Length of rail	1.5m
Max. Length of rail	Drawing office to advise
Rail section size	44.5mm (1.34) diameter (each tube)

Nominal distance of rail from wall	130mm to centre of tubes on straight run
Stair nose to rail	73mm (3) to bottom of lower tube
Rail overhang at top	Min: 0mm. Max: to suit customer requirements
Rail wiring	Inside tube section
Drive method	Rack-and-pinion mounted on lower tube
Rail spacing (horizontal)	Min: 114mm (4.5) (52° incline). Max: 285mm (11.5)
Max. rail angle	52°

Carriage:

Construction	Steel fabrication
Finish	Plastic covers
Charger input	100-240V AC 50/60 Hz
Motor output	DC powered, 0.26 kW
Start	Cushioned start/stop
Speed	0.12 m/s. Speed slows to travel around any inside bends
Servicing	Standards recommend annually
Safety features	Overspeed governor stops stairlift at 0.3m/s max Safety edges operate safety switches located around the carriage and footrest - batteries allow the stairlift to work in the event of power cut NB: During a power cut the stairlift will work but the two-way power swivel option will not
Batteries (carriage)	2 x 12V - 7.6 Ah Standard - 12 Ah Heavy duty
Noise level dB(A)	Maximum operating level, 70 dB(A)

Other fittings:

Wall controls	Positioned at the top and bottom of the staircase, the wall controls allow the stairlift be called if it is at the opposite end of the staircase
Battery charger	Wall or floor mounted, charges the batteries so that the stairlift is ready to travel

Detailed Product Descriptions



Feature: **Manual Swivel Seat (standard)**

Function: To rotate the seat towards the landing to allow the user to get on and off the stairlift at the top of the stairs. The swivel seat is operated by pulling up on the swivel levers found either side of the chair.

Benefit: Makes it easy and safe for the user to get in and out of the stairlift at the top of the stairs. If the stairlift is left in the swivelled position, it can act as a barrier across the top of the stairs making the stairs safer.



Feature: **One-Way Powered Swivel Seat (Option)**

Function: At the top of the stairs the user can automatically swivel the seat to face the landing using the stairlift controls.

Benefit: The stairlift is easy to swivel at the top of the stairs - especially useful if movement and strength in the arms and hands is restricted. Good for multiple users as the lift can be called from the bottom whilst swivelled.

Technical: NB: This option will not work on an intermediate stop



Feature: **Two-Way Powered Swivel Seat (Option)**

Function: Allows the user to swivel at the bottom of the stairs as well as at the top. The seat will automatically swivel if the user applies constant pressure to the directional controls. The seat cannot be swivelled downwards when travelling, it will only swivel downwards when it's at the bottom landing.

Benefit: The user can get on and off the stairlift easily without having to stand on the footrest. This is also beneficial in narrow hallways. This option is useful when there are multiple users as the chair can be called from each end, even if it's left swivelled.

Technical: NB: This option will not work on an intermediate stop

Feature: **Siena Seatbelt ***

Function: Ergonomically designed to be easy to reach, fasten and release. Can be operated with one hand or with reduced mobility.

Benefit: Improved safety and peace of mind. Especially useful if movement and strength in one hand is limited.



Feature: **Immobiliser Seatbelt ***

Function: Based on the same design as above, the stairlift will not operate until the user is seated in the chair and the seatbelt is fixed into place.

Benefit: Added peace of mind and safety, especially to the children of elderly parents.



Feature: **Five Point Seatbelt ***

Function: A seatbelt to fully support the user across the entire upper body. This belt has five fastening points, around the waist, over the shoulders and between the legs

Benefit: A seatbelt specially designed for people with limited control over their upper body



* For EN81-40 compliant countries, the seatbelt must be fitted.

Detailed Product Descriptions



Feature: **Diagonal side-fastening seatbelt ***

Function: A seatbelt that goes across the body giving the user additional support across the upper body. This seatbelt has a side fastening and retracts safely away when not in use

Benefit: Additional feelings of safety and support across the users body when using the stairlift



Feature: **Lap fixed seatbelt ***

Function: A non retractable seatbelt with centre fastening

Benefit: Designed to make the user feel safe and supported when using the stairlift

Feature: **Travel Alarm**

Function: An alarm sounds when the chair is travelling up or down the stairs.

Benefit: The alarm warns the others around you that the chair is moving.

Feature: **Control**

Function: Stairlift control that is located at the end of either of the chair arms.

Benefit: Easy-to-use design which can be operated by pushing the control in the required direction of travel by the hand or arm.

Technical: The arm controls will always override the wall controls.



Feature: **Ankle Straps**

Function: Velcro fastening straps around the ankles to hold the user's feet in place.

Benefit: Safety straps for users with restricted control over their feet movement.

Only to be used where carer is present

NB: Not to be used with a power swivel



Feature: **Chair Arm Isolation**

Function: Prevents the seated user from operating the stairlift unless the downside arm is lowered.

Benefit: Increase safety of user.



Detailed Product Descriptions



Feature: **Wall Control**

Function: Ergonomically-designed control to enable the user to call the stairlift to either the top or bottom of the staircase.

Benefit: Allows the user to bring the stairlift to them. Also features operational lighting, which enables an easier understanding of the battery status and the direction the stairlift is travelling. See page 15 for more information.

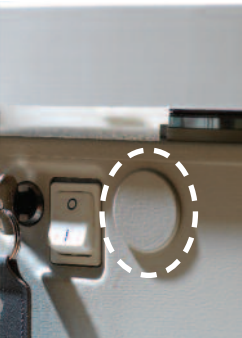
Technical: The arm controls will always override the wall controls.



Feature: **Safety Edges**

Function: The footrest and carriage on the stairlift have special edges that can detect an obstruction, e.g. a pet or a book. If an obstruction is detected, the stairlift will automatically stop. The stairlift can be moved in the opposite direction to the obstruction. This allows the obstruction to be removed so normal operation can continue.

Benefit: Operation of the stairlift is safe for the user and others on the stairs.



Feature: **Manual Carriage Winding**

Function: In the event the stairlift breaks down mid travel, the user / or service engineer / technician can move the stairlift manually using the manual carriage winding handle. Usage of the manual carriage winding is not recommended for long distances.

Benefit: In the event of a breakdown, the service engineer / technician has the necessary devices to move the stairlift.

Feature: **Power-on Light**

Function: When the stairlift is switched on a light comes on, indicating the stairlift is ready to use.

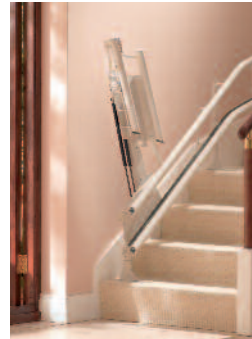
Benefit: You can see whether the stairlift is ready to use.



Feature: **Powered Hinged Rail**

Function: A hinged section of the stairlift rail (found at the bottom of the rail) which can be raised or lowered by using the hinge wall controls. This allows the user to move the hinged section of rail out of the way when not in use, to prevent the stairlift causing a possible obstruction i.e. in doorways. When the hinge arm is moving there is an alarm to alert the user and others.

Benefit: Easy for the user to operate and peace of mind that the hinged section of rail will not cause an obstruction when the stairlift is not in use.



Feature: **Intermediate Swivel Seat Locking Positions**

Function: To allow the user to manually swivel the seat in small steps. The user simply releases the swivel levers to enable this to happen.

Benefit: Easy and safe swivelling of the stairlift at the top of the stairs.



Detailed Product Descriptions



Feature: **Remote Controls for Hinged Rail Section
(For Powered Hinge Rail Sections Only)**

Function: To allow the user to automatically raise or lower the hinged section of the rail from the top or bottom of the staircase.

Benefit: Easy and safe operation of the stairlift and hinged rail sections.



Feature: **Footrest Fold Button (Option)**

Function: To allow the user to automatically raise or lower the footrest at a touch of a button, separate from the chair.

Benefit: Enables the user to get in and out of the chair with the footrest folded.

Stylish and innovative, offering a high degree of user functionality and feedback



1 Light Sequence

Lights rotating

Batteries OK.

Lights on constantly

Batteries low on power - change batteries as soon as possible.

No light

Batteries have no power - change batteries.

2 Ergonomic Design

Easy to use.

Use with a powered swivel chair

With a powered swivel chair the wall control can be used to recall the chair, even if the chair has been left at the top of the stairs.

Siena Upholstery

Feature: **Siena Chair Upholstery**

Detail: The Siena is available in fully upholstered vinyl, in a choice of five colours.

The fully upholstered chair gives a classically elegant look.

All the upholstery colours illustrated here are available with any of the five rail colours.

Vinyl Upholstery



260 Rail Colours



Window Grey Rail



Jet Black Rail



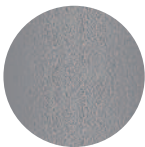
Ochre Rail



Nut Brown Rail



Beige Rail



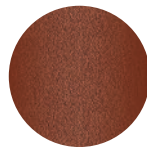
Window Grey



Jet Black



Ochre Brown



Nut Brown



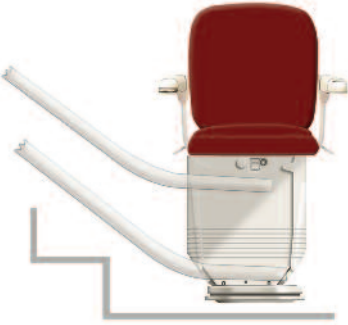
Beige

The rail colours featured are offered at an additional charge to the standard pearl colour.
The above examples are suggestions only, the customer may choose any colour combination they wish.

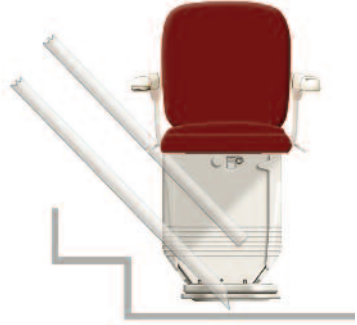
260 Rail Types

Rail Start Types

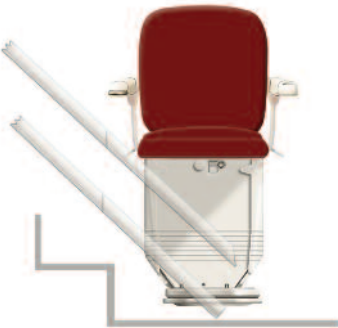
Horizontal Start



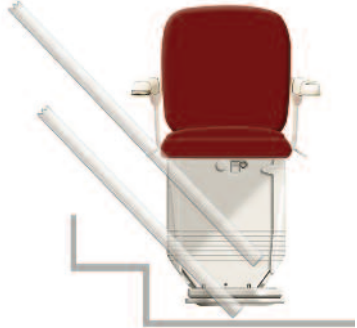
Incline Start



Hinge Start



Droop Start



260 Rail Types

Rail Finish Types

Horizontal Finish

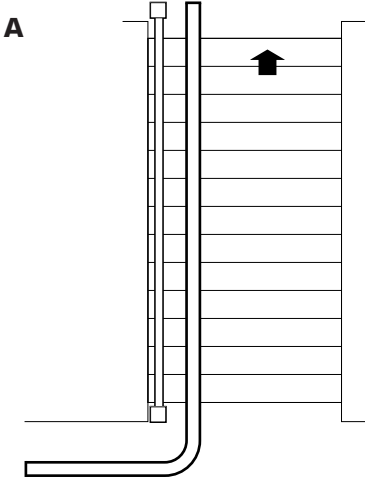


Incline Finish

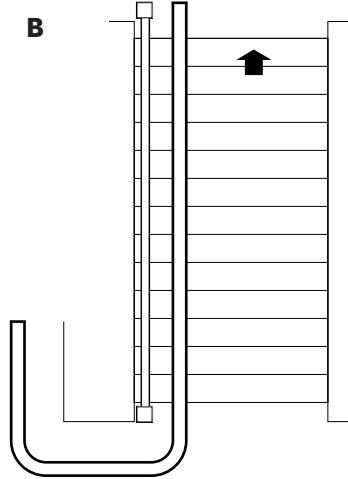


260 Rail Types

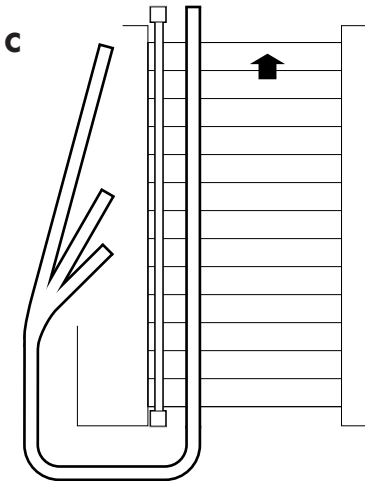
Rail can in addition to all of the foregoing be taken away from the stairs, if the space allows, by turning, e.g. 90° or 180°



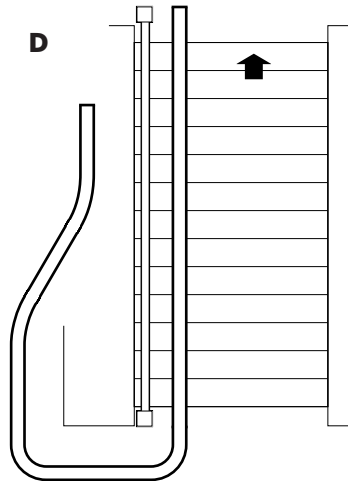
e.g. 90° turn and park



e.g. 180° turn and park



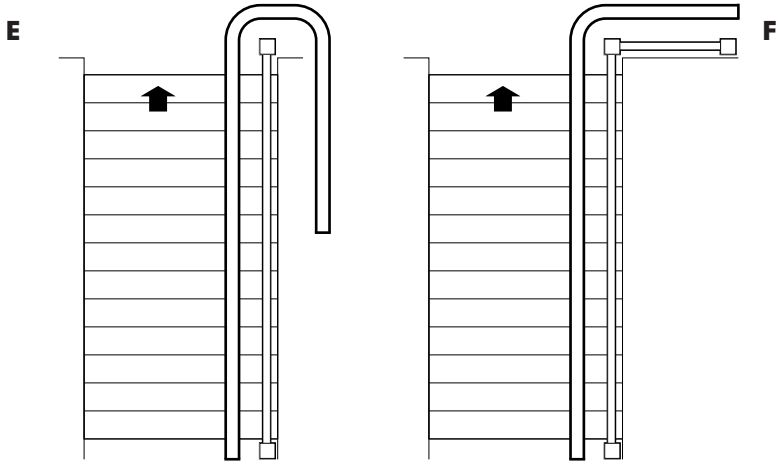
e.g. 180° with return



e.g. 180° with double return

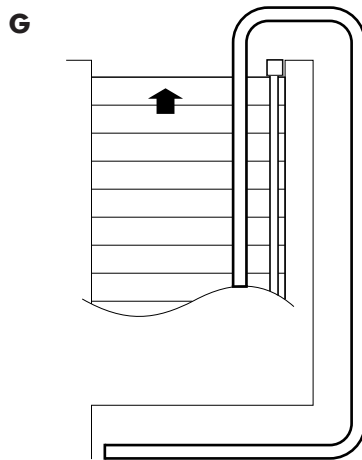
Can apply to inside or outside bends. Note: Additional charges may apply for return bends (C&D)

260 Rail Types



e.g. 180° finish

e.g. 90° finish



e.g. Horizontal finish with parking above stairwell

Siena Product Comparison

Key: **S = Standard** **- = Not Available** **POPT = Price Option**

User / Installation Features	Siena	Starla	Solus	Sofia
Stairlift Rail				
Hinged rail section (powered control)	POPT	POPT	POPT	POPT
Made to measure rail length	S	S	S	S
Pre-racked rail	S	S	S	S
Wall ties / brackets	POPT	POPT	POPT	POPT
Variable leg heights	S	S	S	S
Heavy duty batteries / charger	POPT	POPT	POPT	POPT
Stairlift Chair				
Two chair widths - XL and Standard	POPT	-	-	-
Swivel seat (manual control)	S	S	S	S
Powered swivel seat	POPT	POPT	POPT	POPT
Powered swivel (conversion) kit	POPT	POPT	-	-
Two-way powered swivel seat	POPT	POPT	POPT	POPT
Powered swivel hand-winding tool (std with Powered Swivels)	-	S	S	S
Intermediate swivel seat locking positions	S	S	S	S
Chair key	S	S	S	S
On/off switch	S	S	S	S
Easy Footrest fold lever (manual footrest only)	S	S	-	-
Easy one-step folding (including the footrest)	-	-	S	S
Footrest fold button	POPT	POPT	POPT	POPT
Adjustable armrests	-	-	S	S
Seat sensor	-	S	S	S
Chair link bar removal kit	-	-	POPT	POPT
Reduced Seat	-	-	POPT	POPT
Ankle straps	POPT	POPT	POPT	POPT
Stairlift controls / Control Type				
Radio controls	S	S	S	S
Infra red controls	S	S	S	S
Joystick stairlift control	S	S	-	-
3-in-1 control (key, on/off & directional)	-	-	S	S
Additional remote control (IR only)	POPT	POPT	POPT	POPT
Seatbelt Options				
Lap fixed seatbelt	POPT	-	-	-
Lap diagonal seatbelt	POPT	POPT	-	-
SL Seatbelt	-	-	POPT	POPT
Immobiliser seatbelt	POPT	POPT	POPT	POPT
Starla/Siena seatbelt	POPT	POPT	-	-
Five-point seatbelt	POPT	POPT	POPT	POPT

Siena Product Comparison

Key: S = Standard - = Not Available POPT = Price Option

User / Installation Features	Siena	Starla	Solus	Sofia
Performance / Features				
Cushioned start / stop	S	S	S	S
Smooth ride	S	S	S	S
Over-speed governor	S	S	S	S
Off-charge warning sounder	S	S	S	S
On charge light	-	-	-	-
Power-on light	S	S	S	S
Additional battery charging point with auto stop function	POPT	POPT	POPT	POPT
Manual carriage winding	S	S	S	S
Safety sensors	S	S	S	S
Styling				
Seat upholstery	POPT	POPT	POPT	POPT
Seat upholstery colours	5	5	12	12
Upholstery fabric	Vinyl	Woven Vinyl	Leather Woven Vinyl	Leather Woven Vinyl
Dark / light wood trim	-	POPT	-	-
Footrest carpet colour	Taupe	Taupe	Taupe	Taupe
Leather care kit	-	-	POPT	POPT
Product colour	Pearl	Pearl	Pearl	Pearl
Rail Colours				
Pearl	S	S	S	S
Beige	POPT	POPT	POPT	POPT
Jet Black	POPT	POPT	POPT	POPT
Nut Brown	POPT	POPT	POPT	POPT
Ochre Brown	POPT	POPT	POPT	POPT
Window Grey	POPT	POPT	POPT	POPT

Siena Test Information

As part of the product development process our chairs are tested in accordance to varying standards / directives. Examples of the tests carried out are as follows:

Details of tests carried out on the Siena chairs	
Manual and automatic swivel - load tested in swivelled position - 3x maximum load	Manual and automatic swivel - load tested in travel position - 5x maximum load
Manual swivel fatigue test carried out in swivelled position - maximum load x 120,000 cycles completed	Arm loom fatigue test - Arm folded and unfolded 50,000 cycles completed
Chair plastic surfaces shatter test - Test requires a 5cm diameter ball bearing from a height of 1 metre onto all upward-facing plastic surfaces	Automatic folding footrest reliability test - footrest folded and unfolded 50,000 cycles completed
Safety edges / switches reliability test - 100,000 cycles completed	Offset load test - maximum load offset 100mm from centre line x 120,000 cycles completed

Siena Test Information

Details of tests carried out on the Siena chairs	
Automatic swivel - fatigue test carried out in travel position - Maximum load x 120,000 cycles completed	Manual swivel fatigue test carried out in travel position - maximum load x 120,000 cycles completed
Arm fatigue test - 120,000 cycles completed	Arm load test - maximum load applied
Manual folding footrest reliability test - footrest folded and unfolded 50,000 cycles completed	Automatic swivel reliability test - 25,000 cycles completed
Horizontal arm fatigue test - load applied to side of chair arm - 120,000 cycles completed	Footrest load test - maximum load x 120,000 cycles completed

Battery Questions and Answers

Why does the stairlift use batteries?

Battery power allows the stairlift to start and stop smoothly. What's more the stairlift will continue to work in the event of a power cut / outage.

Could the batteries run out half way up the stairs?

The stairlift automatically recharges to ensure it is always ready for the next journey. If the battery voltage is low, the stairlift will still travel to the bottom of the stairs.

Will the batteries leak?

No! They are sealed units and cannot leak.

How long will the batteries last before they need to be replaced?

The batteries typically last three to five years, much like a car battery, may need to be replaced sometime after that. The batteries are guaranteed for a three year period. (Warranty is market specific).

260 product

Return journey = one complete rail length in up direction and one complete rail length in down direction.

Maximum number back-to-back return journeys (52° rail angle, 120kg load @ 23°C)

Battery Questions and Answers

260 Product				
Rail Length (Metres)	Complete Return Journeys (7.6Ah batteries)	Time taken to fully recharge batteries after 1 complete return journey (minutes) - standard charger	Complete Return Journeys (9Ah batteries)	Time taken to fully recharge batteries after 1 complete return journey (minutes) - heavy duty charger
2	36	10	60	6
3	24	15	40	9
4	18	20	30	12
5	15	25	24	15
6	12	30	20	18
7	10	35	17	21
8	9	40	15	24
9	8	45	13	27
10	7	50	12	30
11	7	55	11	33
12	6	60	10	36
13	6	65	9	39
14	5	70	9	42
15	5	75	8	45
16	5	80	8	48
17	4	85	7	51
18	4	90	7	54
19	4	95	6	57
20	4	100	6	60
21	3	105	6	63
22	3	110	6	66
23	3	115	5	69
24	3	120	5	72
25	3	125	5	75
30	2	150	4	90
35	2	175	3	105

If you need extra information...

If you require any further guidance relating to any of the information within this document, please contact the Stannah Marketing Team:

T: + 44 (0) 1264 345277

F: + 44 (0) 1264 362276

E: marketingsupport@stannah.co.uk

Stannah

Stannah Stairlifts, Watt Close, East Portway, Andover,
Hampshire SP10 3SD United Kingdom www.stannah.com

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