



User Manual
Strato

CONTENTS

Contents

1.0	Safety Instructions and Warnings.....	4
1.1	Introduction	4
1.2	Service and Support	4
1.3	Symbols Used.....	5
1.4	Contraindications/Limitations	5
1.5	Intended Use	6
1.5.1	Intended User.....	6
1.6	Chair Operating Environment	6
1.6.1	Frequency of use:.....	6
1.7	Chair Essential Performance	7
1.8	Vicinity to Other Equipment	7
1.9	Incident Reporting.....	7
1.10	Additional Warnings and Safety Notices.....	7
2.0	Components/Key Parts	8
2.1	Key Parts	8
2.1.1	Size 1 and 2	8
2.1.2	Size 3, 4 and 5	9
2.1.3	Strato Hi-Lo	9
2.2	Strato Configurations	10
2.3	Packaging.....	11
3.0	Installation.....	12
3.1	Adjustments	12
3.1.1	Seat Height	12
3.1.2	Seat Angle.....	13
3.1.3	Lumbar Prompt.....	14
3.1.4	Armrests.....	16
3.1.5	Pelvic Strap (4 Point).....	17
3.1.6	Footrest (Size 1 and 2).....	17
3.1.7	Footrest (All Other Sizes).....	18
4.0	Compatible Accessories.....	19
4.1	Braking System (If Fitted)	19
4.1.1	Components	19
4.1.2	User Operation.....	20
4.1.3	Carer Operation.....	20
4.2	Thigh Guides	20
4.2.1	Attachment	20
4.2.2	Adjustment	20

CONTENTS

4.3	Extension Handle.....	21
4.3.1	Attachment.....	21
4.3.2	Adjustment.....	21
4.4	Handy Hooks.....	22
4.4.1	Attachment.....	22
4.4.2	Adjustment.....	22
4.5	Laterals.....	23
4.5.1	Lateral Width.....	23
4.5.2	Lateral Height.....	23
5.0	Technical Specification.....	24
5.1	Chair Dimensions.....	24
5.2	Environmental - Storage and Operating Conditions.....	25
5.2.1	Normal operating conditions.....	26
5.2.2	Shipping and storage conditions.....	26
5.3	Standards Applied.....	27
5.4	Disposal.....	27
6.0	General Inspection and Maintenance.....	28
6.1	Daily Checks - To Be Completed by User.....	28
6.2	Battery Charging.....	28
6.3	Service Interval.....	28
6.4	Nominal Service Life.....	29
6.5	Extending Nominal Service Life.....	29
6.6	User Serviceable Parts.....	29
6.7	Final Inspection.....	30
7.0	Cleaning.....	31
7.1	General cleaning.....	31
8.0	Service Documentation.....	32
8.1	Documentation/ Records.....	32
8.2	Service Record History.....	33
8.2.1	Product Information.....	33
8.2.2	Service & inspection record form:.....	33
9.0	Warranty.....	34
10.0	Continuous improvement.....	34

1.0 SAFETY INSTRUCTIONS AND WARNINGS

1.1 Introduction

The information in this manual is important to your safety.



Please read and understand this manual in its entirety before using your Strato chair.

**If you require larger print or videos – these are available on the Smirthwaite website:
www.smirthwaite.co.uk/product/Strato/**

The information in this manual is important for the safety of anyone near the Strato chair and must be read and understood to help prevent injuries. It is also crucial to the proper operation and maintenance of the Strato chair.

Store this manual with the documents included with the chair. The Strato chair is designed to be used in conjunction with approved accessories. Please refer to any user guides supplied with these components while reviewing this manual.

Contents of this manual are subject to change without prior notice.



Unauthorised modifications on any Smirthwaite product may affect its safety. The manufacturer will not be held responsible for any accident, incident or deficiencies of performance that occur as a result of any unauthorised modification to its products.

1.2 Service and Support

To ensure the safety and continued good function of your product, routine service must be performed on your Strato chair.

For further details, see section 6.0 General Inspection and Maintenance'

As well as inspections and simple checks completed by the user, every 1 year(s) a service must be completed by Smirthwaite Ltd. authorised trained service staff.

















Contact your local authorised Smirthwaite dealer if you:

- Need more information.
- Have any questions about the use or maintenance of your Strato chair.
- Notice any change in the performance of your chair.
- Want to report an unexpected occurrence.
- Want to arrange a service.

Contact details of your local Smirthwaite dealer are shown on the last page of this manual.

SAFETY INSTRUCTIONS AND WARNINGS

1.3 Symbols Used

	Consult instructions before use		Caution
	Class II Equipment - electrical equipment in which protection against electric shock does not rely on basic insulation only	SWL	Safe Working Load represents the maximum load rated for safe operation
	Manufacturer		Date of manufacture
	Packaging indicator – This way up		Packaging indicator – Keep dry
	Serial number		For internal use only
	Please observe local laws on recycling	IP_{N₁}N₂	Degree of protection provided by enclosure. N ₁ : Ingress of particles N ₂ : Ingress of water
	Temperature range		Humidity range
	Type 'B' applied part		Type 'BF' applied part
	Medical Device		Authorised representative in the European Community

1.4 Contraindications/Limitations

There are no known “contraindications” associated with the usage of the Strato chair and its accessories, provided they are used as per manufacturer’s recommendations and guidelines.

Smirthwaite Ltd. does not recommend a required number of care givers for the use of our products. This information and recommendation can only be provided after a thorough

SAFETY INSTRUCTIONS AND WARNINGS

personalized, case specific assessment, as there are many factors that can influence these decisions.

1.5 Intended Use



For internal use only.

Intended to provide postural support.

1.5.1 Intended User

The Strato has been designed for use by a child's carer, therapist, and/or teaching staff who will maintain and clean the chair as per the recommended guidelines in section 7.0 Cleaning. Under their care, they will be responsible for helping the child in and out of the seat and their safety when sitting in the Strato.



The Strato is designed to be checked and adjusted by a therapist to ensure the child is seated correctly.

1.6 Chair Operating Environment

The Strato chair is suitable for use within the professional health care facility environment as well as the home health care environment.

The chair is not intended to be used in environments where there are rapid changes in the environmental temperature and humidity during intended use.

Based on research conducted during the concept stage, the following statements apply. See Usability Technical File.

The Strato is intended for indoor use only; the normal operating conditions are as follows:

- A. Temperature: 41°F to 86°F (+5°C to 40°C)
- B. Relative Humidity: 15 to 90%, non-condensing, but not requiring a water vapour pressure greater than 50hPa.
- C. Atmospheric Pressure: 700hPa to 1060hPa.
- D. Ambient luminance 50 – 500 lux.
- E. Viewing distance: 0 metre to 1.5 metre

1.6.1 Frequency of use:

The Strato can be used without any frequency restrictions.

1.7 Chair Essential Performance

The essential performance of the chair is defined as:

Support patients who require minimal levels of postural support when seated.

1.8 Vicinity to Other Equipment

Use of this equipment stacked with other equipment should be avoided, unless the equipment is an approved accessory.

Contact your local authorised dealer if assistance is required – contact details on the last page of this manual.

1.9 Incident Reporting

If, during the use of this device or as a result of its use a serious incident has occurred, please report it to the manufacturer and the competent authority of the member state in which the user and/or patient is established.

1.10 Additional Warnings and Safety Notices

- The user should NOT be left unattended whilst in the chair. Always ensure a responsible therapist or carer is in attendance.
- If you believe the chair or any fitted accessory to be faulty at any time, **DO NOT USE** – contact Smirthwaite Ltd. by telephone on +44 (0)1626 835552
- The therapist should be familiar with the methods of adjustment and have completed all adjustments appropriately to meet the needs of the child before transferring the child onto the chair.
- The chair is **ONLY** to be used indoors on a flat level surface.
- Do not exceed user maximum weight limits. Refer to section 1.5 'Intended Use'.
- Always fasten the pelvic strap and any other straps provided with the chair.
- Regular maintenance checks and cleaning are essential for the safe use of this equipment. Refer to section 6.0 General Inspection and Maintenance.
- Always keep this product away from naked flames, cigarettes and sources of heat including open fireplaces, radiators, heaters.
- **DO NOT** fit parts or accessories of other manufacturers to this product unless authorised to do so in writing by Smirthwaite Ltd. Failure to follow these instructions will not only invalidate the guarantee but could make the chair dangerous to use.
- Smirthwaite Ltd will not accept liability for any injury or damage incurred through such malpractices. Any repairs required must be carried out by Smirthwaite Ltd authorised personnel.
- Lap straps and harnesses must be appropriate and safe for the user and the users clothing. Lap straps and harnesses must be checked every time the chair is used to ensure they are fitted as prescribed by the clinician, take account of the users clothing and are tightened so that the user cannot sustain injury. Checking the fit of lap straps and harnesses must be done with the user in the chair and should be undertaken as soon as the users sits in the chair.

2.0 COMPONENTS/KEY PARTS

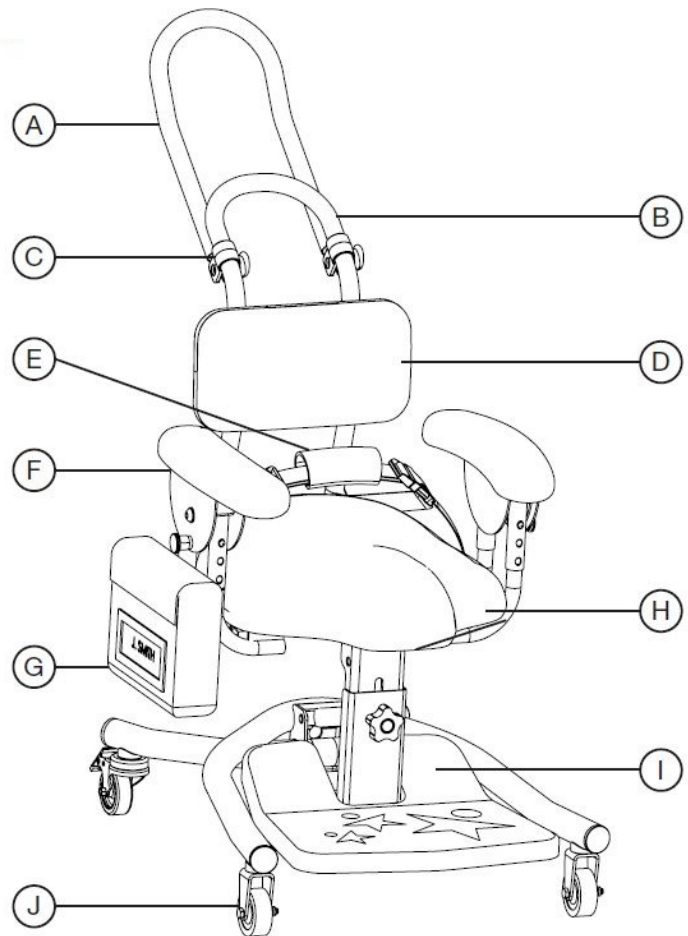
2.1 Key Parts

When delivered, the chair will be supplied fully assembled except for the attachment of any special accessories ordered. Export orders may require the chair to be fully assembled, which takes approximately 2 minutes. If in any doubt, always seek advice. Always turn hand wheels, levers and screws clockwise to tighten or anti-clockwise to loosen. Conveniently packaged in a single box the following components are included with your new Strato chair:

2.1.1 Size 1 and 2

Item	Description
A	Handle Extension
B	Handle
C	Handy Hook
D	Lumbar Prompt
E	Pelvic Strap
F	Armrest
G	Personal Pocket
H	Seat
I	Footrest
J	Castor

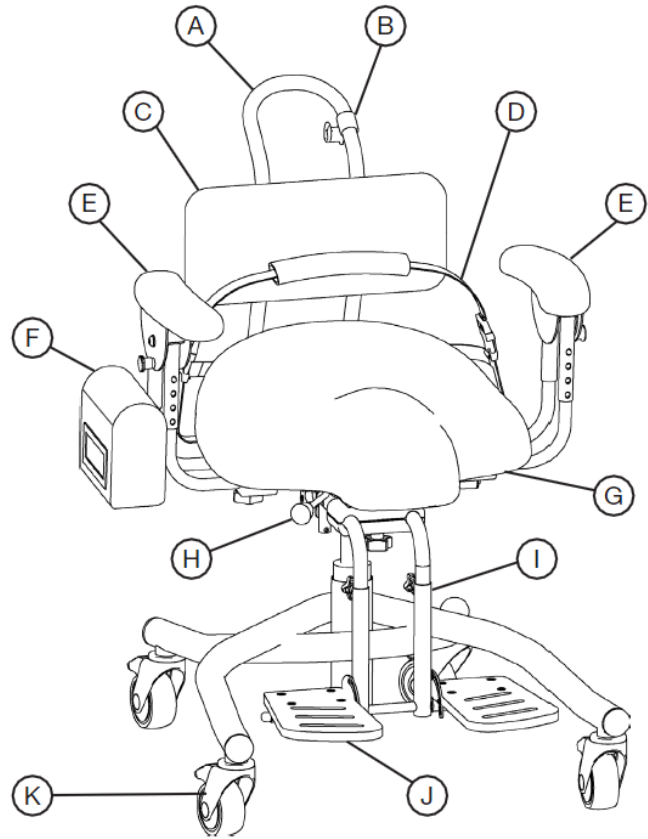
Table 1



COMPONENTS/ KEY PARTS

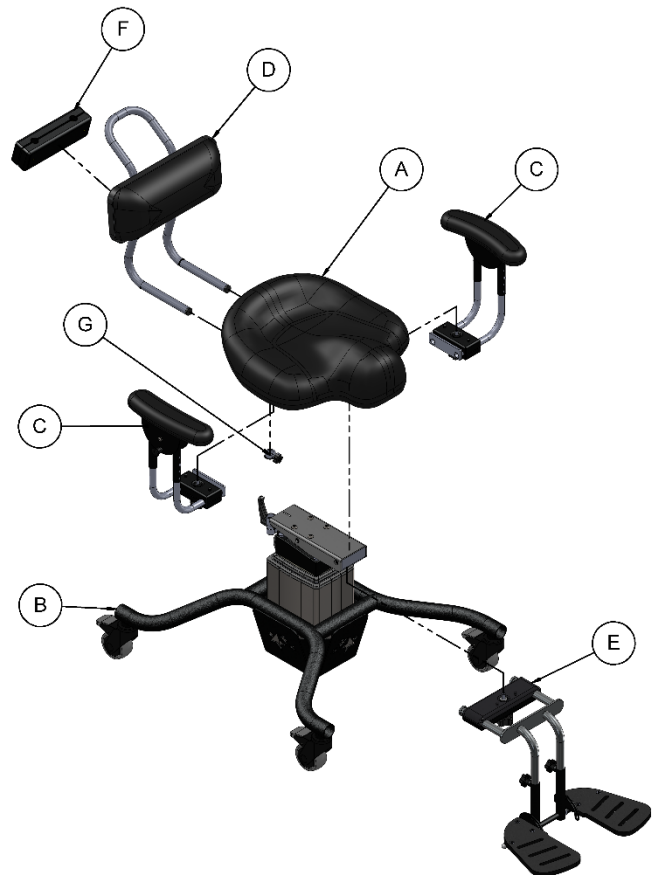
2.1.2 Size 3, 4 and 5

Item	Description
A	Handle
B	Handy Hook
C	Lumbar Prompt
D	Pelvic Strap
E	Armrest
F	Personal Pocket
G	Seat
H	Lever
I	Footrest
J	Footplate
K	Castor



2.1.3 Strato Hi-Lo

Item	Description
A	Seat Capsule
B	Electric Hi-Lo Chassis
C	Armrests
D	Lumbar Support
E	Footrest
F	Battery Pack
G	Tilt-in-space Stop



COMPONENTS/ KEY PARTS

Please see above to familiarise yourself with the components of the Strato chair. The image above shows the key components of the Strato chair. If you have not received all the components contact your local Smirthwaite dealer immediately – contact details are provided on the last page of this manual.

If your order has been supplied as a custom kit, please ensure you follow both the instructions documented in this document and any additional instructions supplied. Please take note of any instructions on the packaging/box when unpacking. Once the chair has been carefully unpacked, please check all parts.

2.2 Strato Configurations



Size 1 and 2



Size 3, 4 and 5



Strato Hi-Lo

	Size 1 Code	Size 2 Code	Size 3 Code	Size 4 Code	Size 5 Code
Strato chair	10041	10042	10043	10044	10045
Strato chair size +2*	--	10243	--	--	--
Strato chair size -3**	--	--	10343	--	--
Strato 3-5 on hi-lo base	--	--	10143	10144	10145

* Strato Size 2 seat on a 'Size 3, 4 and 5' base

** Strato Size 3 seat on a 'Size 1 and 2' base

Smirthwaite Ltd. will document and maintain a record of the original product configuration at the time of first sale. Smirthwaite Ltd. will not be held responsible for any subsequent changes to this configuration unless authorized to do so in writing by Smirthwaite Ltd.

It is the equipment owner's responsibility to maintain their own records of changes to the equipment configuration and to be able to provide such records to subsequent owners to maintain traceability.

We recommend an inspection/service by a Smirthwaite Ltd. Service Engineer (or Smirthwaite Ltd. trained engineer) whenever a significant change is made to product configuration to ensure the product is safe to use. If in any doubt, ALWAYS seek ADVICE.

2.3 Packaging

- When delivered, the chair will be supplied fully assembled except for the attachment of any special accessories ordered.
- If your order has been supplied as a custom kit, please ensure you follow both the instructions documented in this IFU **and** any additional instructions supplied.
- Please take note of any instructions on the packaging/box when unpacking.
- Once the chair has been carefully unpacked, please check all parts.

3.0 INSTALLATION

When delivered, the chair will be supplied fully assembled except for the attachment of any special accessories ordered. Always turn hand wheels, levers and screws clockwise to tighten or anti-clockwise to loosen.

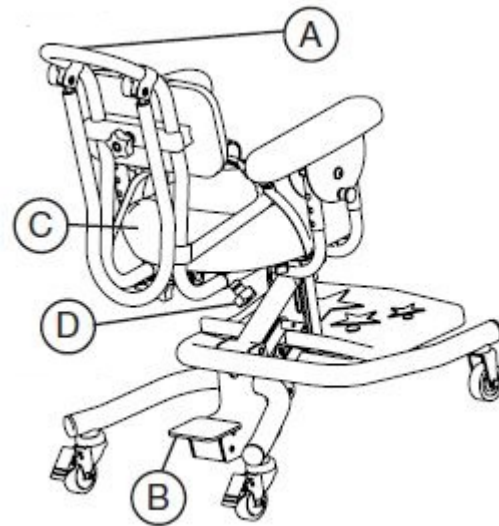
3.1 Adjustments



3.1.1 Seat Height

3.1.1.1 Size 1 and 2

- Hold handle (A)
- Depress pedal (B) with foot
- Adjust seat height to required position
- Take foot of pedal (B)



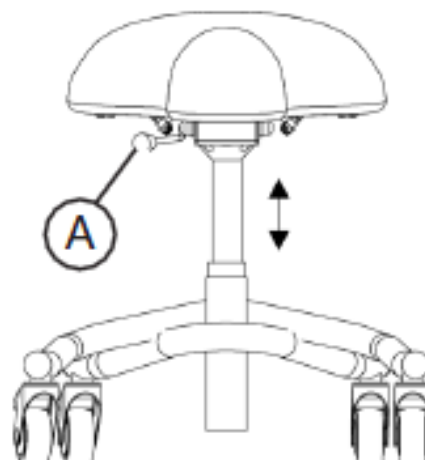
3.1.1.2 Size 3, 4 and 5

To raise the seat:

- Flip up the footrest and ensure users feet are placed firmly on the floor
- Ease the user's weight from the seat
- Lift lever (A)
- Allow seat to rise to desired position
- Release lever (A) to lock
- Lower user's weight back to the seat

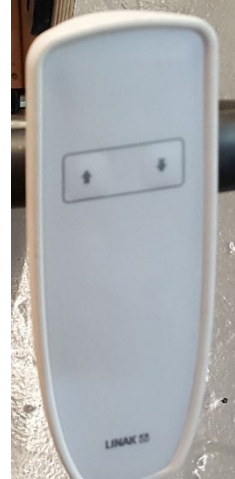
To lower the seat:

- Reduce body weight from the seat
- Lift lever (A)
- Gently allow body weight to lower seat to desired position
- Release lever (A) to lock



3.1.1.3 Strato Hi-Lo

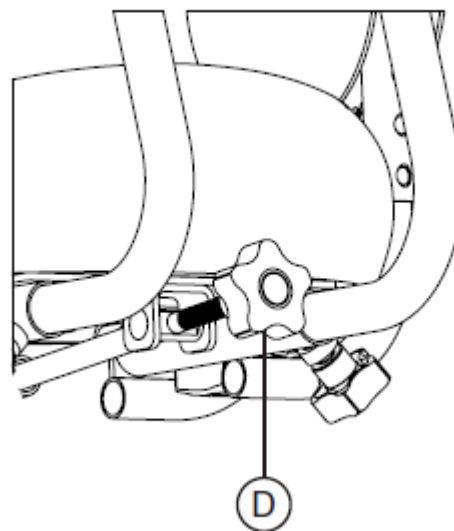
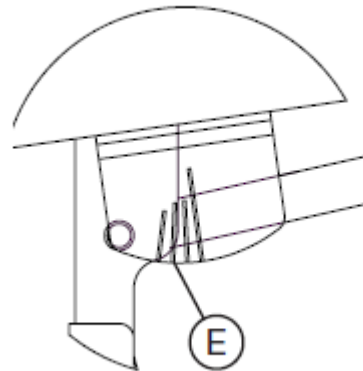
- The height of the chair can be altered by using the 'Actuator Control Pad' which is hooked onto the push handle of the chair. This pad can be unhooked and can be moved to a more suitable position if required.
- Push either the 'Up' arrow or the 'Down' arrow to move the chair the required height. Only press one arrow button at a time.



3.1.2 Seat Angle

3.1.2.1 Size 1 and 2

- Turn handwheel (D) clockwise to tilt the seat backward
- Turn handwheel (D) anticlockwise to tilt the seat forward
- Use adjustment indicator (E) to record angle of the seat



INSTALLATION

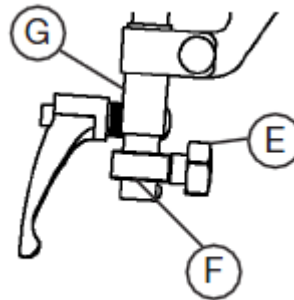
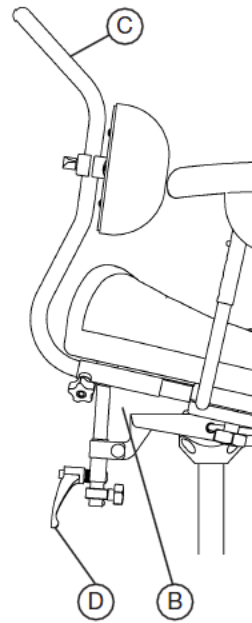
3.1.2.2 All Other Sizes

NOTE: The user should NOT be seated in chair when adjusting the angle. Please keep hands clear of area (B). Ensure memory stop is at maximum setting.

- Hold handle (C)
- Loosen lever lock (D)
- Raise or lower seat to desired position
- Re-tighten lever lock (D)

Memory Stop

- Loosen handwheel (E)
- Slide the memory stop (F) up to the clamp (G)
- Re-tighten handwheel (E)

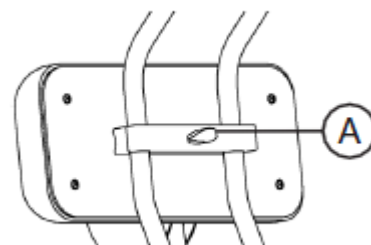


3.1.3 Lumbar Prompt

- It is recommended that the lumbar prompt be correctly positioned at the user's lumbar region
- Two adjustments can be made to the Lumbar Prompt; height and depth.

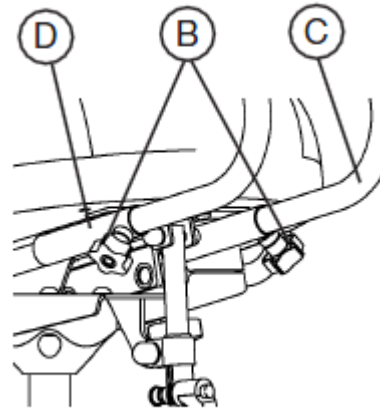
3.1.3.1 Height

- Loosen handwheel (A)
- Move lumbar prompt up or down to achieve the desired position
- Re-tighten handwheel (A)



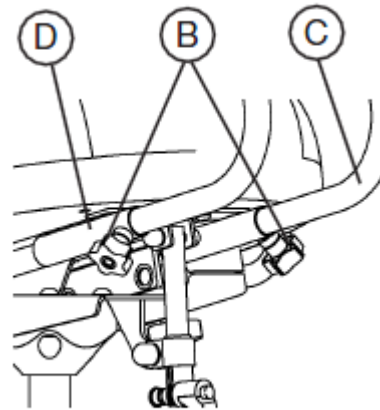
3.1.3.2 Depth

- Loosen handwheels (B).
- Slide lumbar prompt tubes (C) in or out to the desired position.
- Re-tighten handwheels (B).



3.1.3.3 Attachment

- Insert ends of lumbar prompt tube (C) into receivers (D).
- Tighten handwheels (B).
- To detach, simply reverse the process.



3.1.4 Armrests

Three adjustments can be made to the armrests; height, width and angle.

3.1.4.1 Height

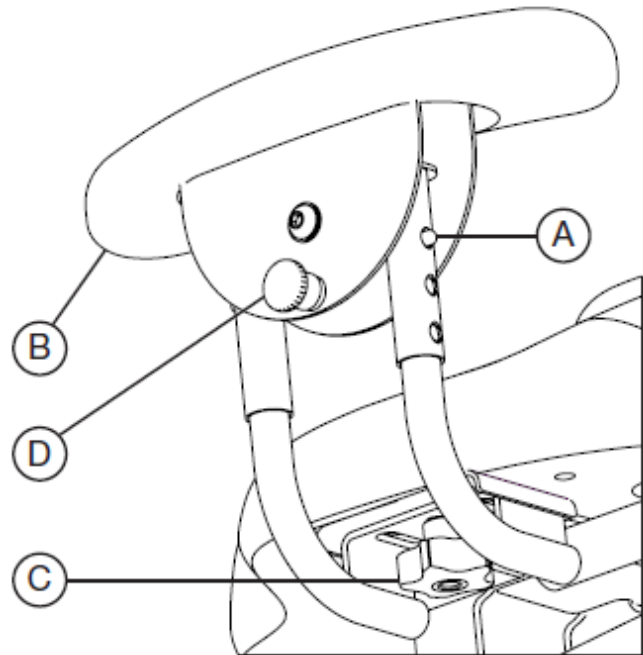
- Depress spring pins (A).
- Slide the armrest (B) up or down to the desired position.
- Ensure both spring pins are re-engaged.
- Repeat for the other armrest.

3.1.4.2 Width

- Loosen handwheel (C).
- Slide armrest (B) in or out to desired position.
- Re-tighten handwheel (C).
- Repeat for the other armrest.

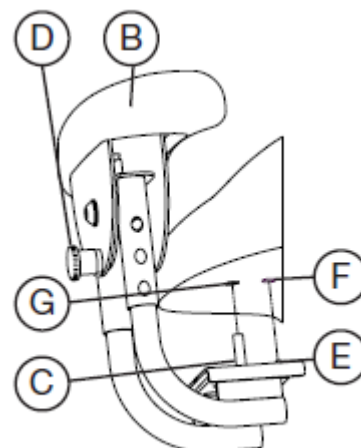
3.1.4.3 Angle

- Pull spring plunger (D).
- Tilt armrest (B) to desired position.
- Release spring plunger (D).
- Ensure spring plunger (D) is re-engaged.
- Repeat process for the second armrest.



3.1.4.4 Attachment

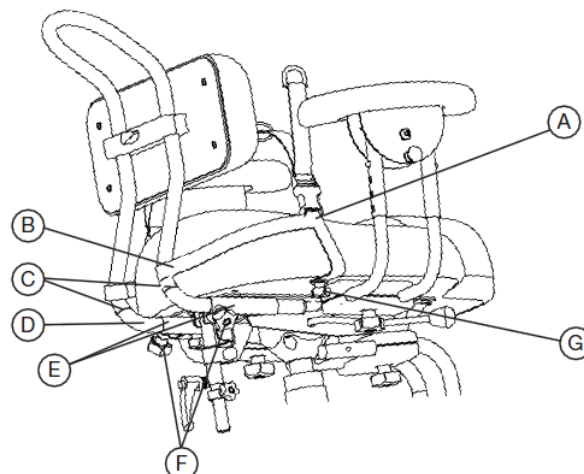
- For ease of attaching armrest, lay chair on its side.
- Hold armrest (B) under seat.
- Locate tab (E) in hole (F).
- Screw handwheel (C) into hole (G).
- Tighten handwheel (C) to secure.
- Repeat for second armrest.
- To detach, simply reverse the process.



3.1.5 Pelvic Strap (4 Point)

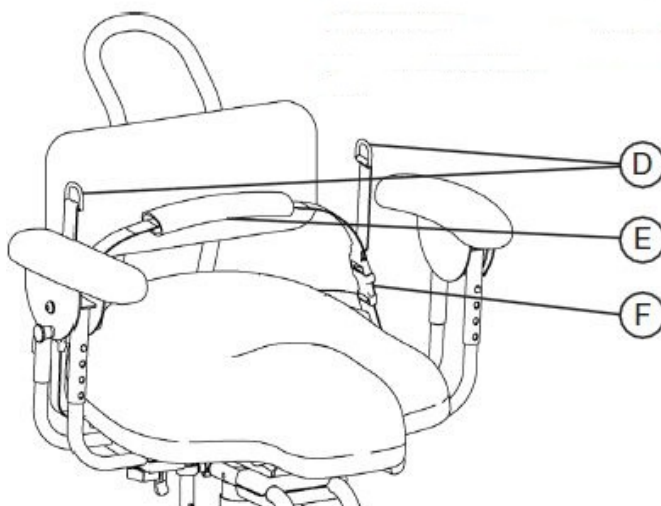
3.1.5.1 Attachment

- Remove the lumbar prompt (see 6.2)
- Thread the lower ends of the lumbar prompt tubes (D) through the looped ends (B) of the pelvic strap (A)
- Slide up locating rings (C) below looped ends (B)
- Insert ends of lumbar prompt tubes (D) into receivers (E)
- Tighten handwheels (F)
- Anchor the other end of the pelvic strap to the underside of the seat using handwheels (G)



3.1.5.2 Adjustment

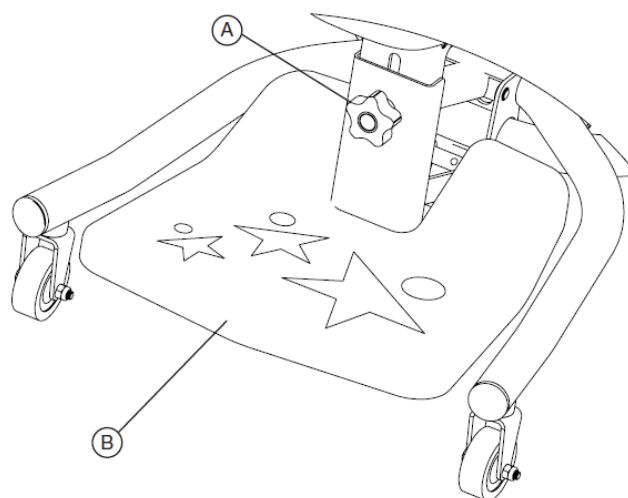
- Release either clip (F)
- Seat user in the chair
- Ensure user is seated with lower back against the lumbar prompt
- Re-connect clip (F)
- Pull simultaneously on straps (D)
- Maintain the position of the user in the chair
- Place ends of straps inside sleeve (E)
- Do not over tighten.



3.1.6 Footrest (Size 1 and 2)

3.1.6.1 Height

- Loosen handwheel (A)
- Slide footrest (B) up or down to the desired position
- Re-tighten handwheel (A)

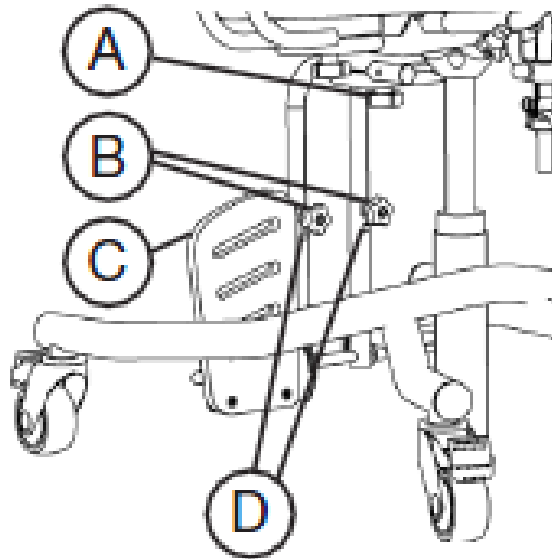


3.1.7 Footrest (All Other Sizes)

3.1.7.1 Height

- Loosen handwheels (B)
- Depress pins (D) if needed
- Slide footrest up or down to the desired position
- Re-tighten handwheel (B)

The height adjustment is fitted with a maximum height stop. When the footrest is extended downwards to its maximum, two pins locate into holes in the rear of the tubes.



3.1.7.2 Depth

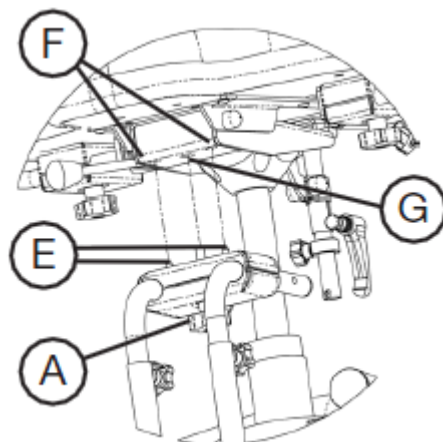
- Loosen handwheel (A)
- Slide footrest backwards or forwards to the desired position
- Re-tighten handwheel (A)

3.1.7.3 Transfer

- For ease of transfer, the footplates can be flipped up
- Simply lift inside of footplate (C) to upper stop

3.1.7.4 Attachment

- For ease of attachment, lay chair on back
- Hold footrest under seat
- Locate pins (E) with holes (F)
- Screw handwheel (A) into hole (G)
- Tighten handwheel (A) to secure
- To detach, reverse this process



4.0 COMPATIBLE ACCESSORIES

The Strato chair comes with a variety of compatible accessories. These accessories and part codes are listed below (Table 2);

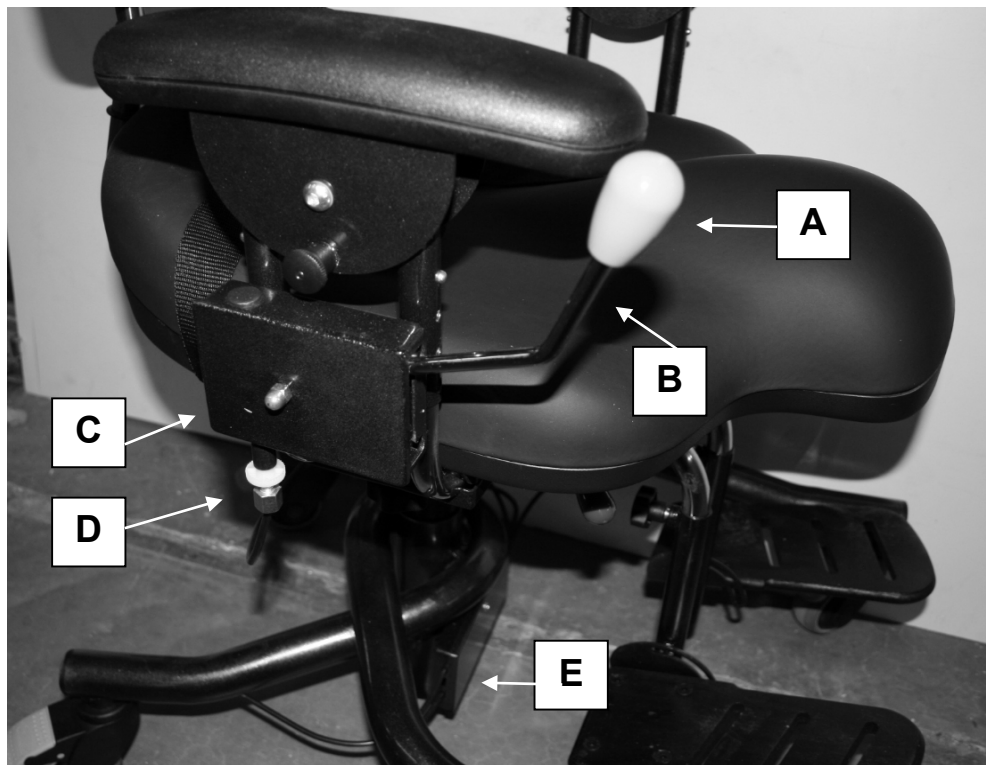
Accessories	Size 1 Code	Size 2 Code	Size 3 Code	Size 4 Code	Size 5 Code
User Operated Brakes	--	--	UOB001	UOB001	UOB001
Footrest	FR042	FR042	FR043	FR144	FR145
4 point pelvic dynamic strap	ST050	ST050	ST051	ST051	ST052
thigh guides	TG006	TG006	TG007	TG007	TG008
back with laterals	BK301	BK301	BK302	BK302	BK302
adjustable armrests (pair)	AR001	AR001	AR002	AR002	AR002
personal pocket	MY001	MY001	MY001	MY001	MY001
extension handle	PH027	PH027	--	--	--
handy hooks	MY002	MY002	MY002	MY002	MY002
non tamper kit	AT001	AT001	AT002	AT002	AT002

Table 1

4.1 Braking System (If Fitted)

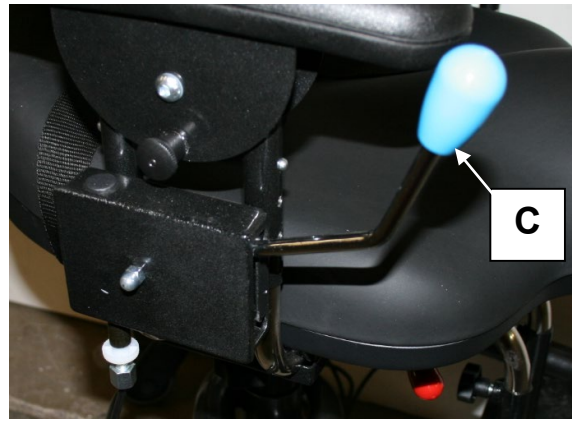
4.1.1 Components

- A. Lever knob
- B. Lever
- C. Lever box (can be positioned left or right on armrest to suit client needs)
- D. Adjustor
- E. Balance box



4.1.2 User Operation

- To apply the brakes, simply push the lever (C) downwards.
- The brakes can then be locked on by parking the lever – simply pull the lever toward the seat cushion when it has reached its fully downward position.
- To release the brakes, push the lever (C) outward to release from its parked position.
- The lever is sprung loaded; once released it will automatically return to its top position.



4.1.3 Carer Operation

- The product has been designed to permit any of the castors to be independently applied or released by a carer, using each individual castor foot pedal.
- See diagram above for castor brake information
- If the user is having difficulty operating the brake system, check that none of the castors have had brakes applied directly.

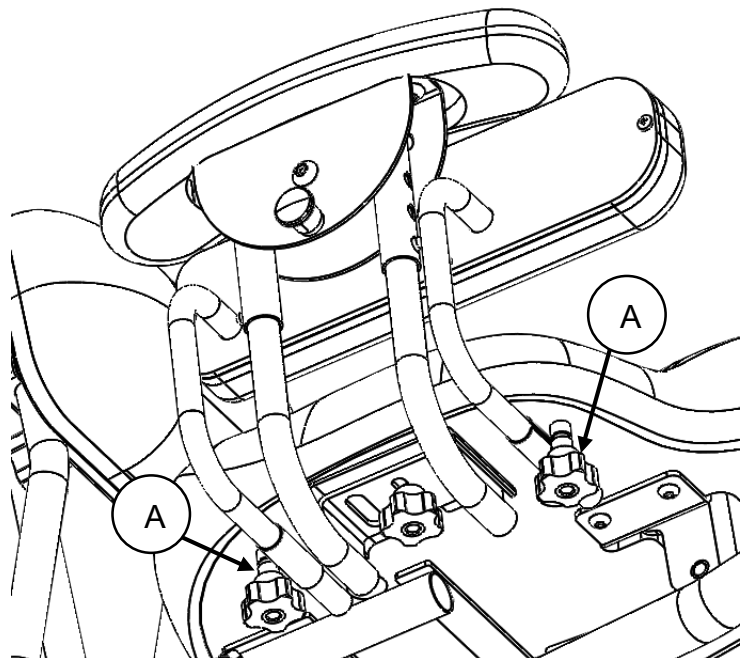
4.2 Thigh Guides

4.2.1 Attachment

- Locate handwheels (A)
- Line up handwheels with the corresponding holes, underneath the seat base.
- Tighten the handwheels.
- Reverse to remove.

4.2.2 Adjustment

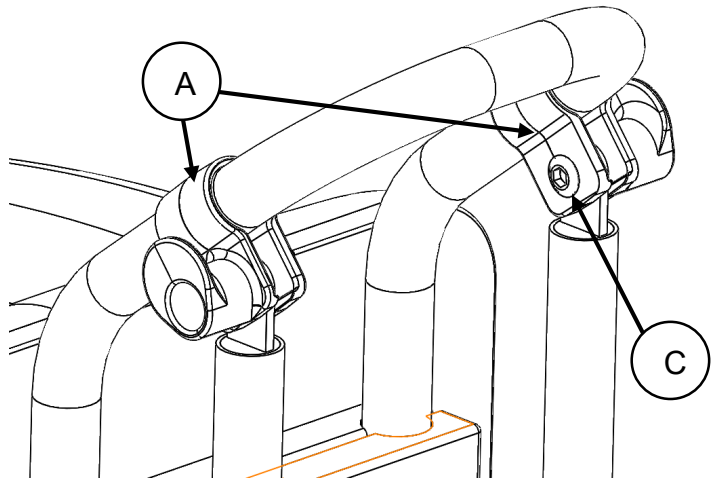
- Loosen handwheels (A)
- Slide thigh guides to the desired width.
- Tighten handwheels (A)



4.3 Extension Handle

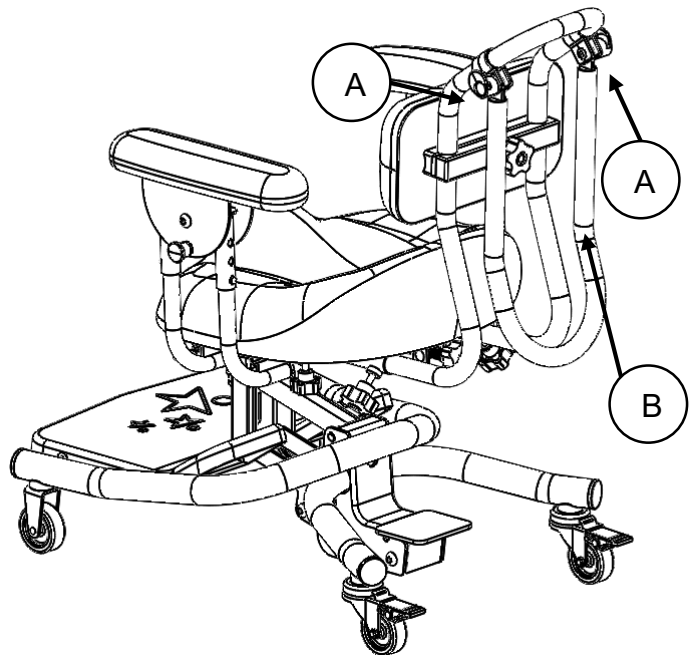
4.3.1 Attachment

- Locate clips (A) and push them onto the existing handle.
- Place extension handle (B) into place, lining up the holes in the handle and the holes in the clips.
- Secure in place by tightening the hex bolt (C) on both sides.



4.3.2 Adjustment

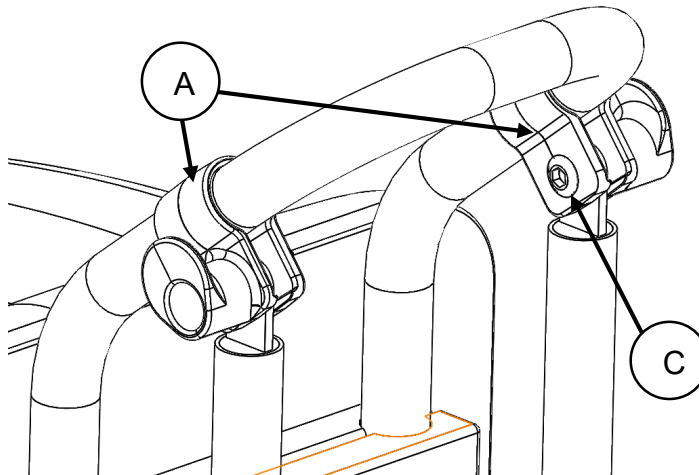
- Locate hex bolts (C) on both clips (A).
- Loosen while holding onto the extension handle (B).
- Adjust to desired position.
- Re-tighten hex bolts (C) until secure.



4.4 Handy Hooks

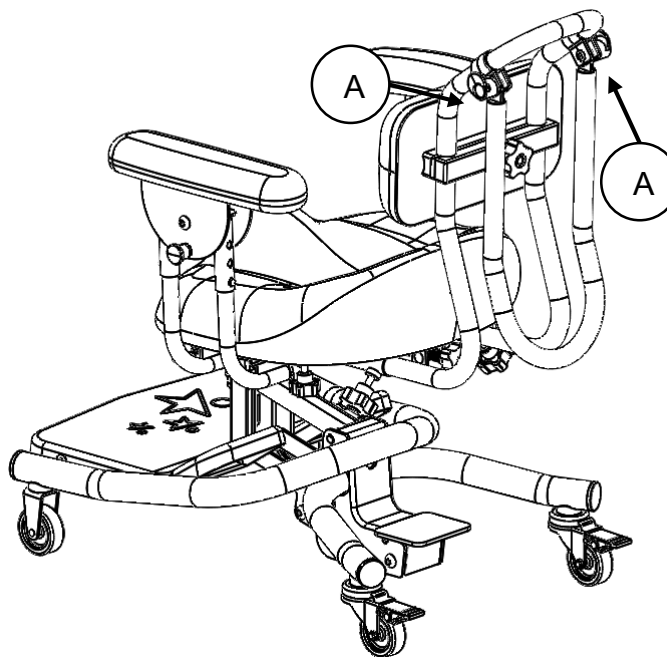
4.4.1 Attachment

- Locate Handy Hooks (A) and push them onto the existing handle in desired position.
- Secure in place by tightening the hex bolt (C) on both sides.



4.4.2 Adjustment

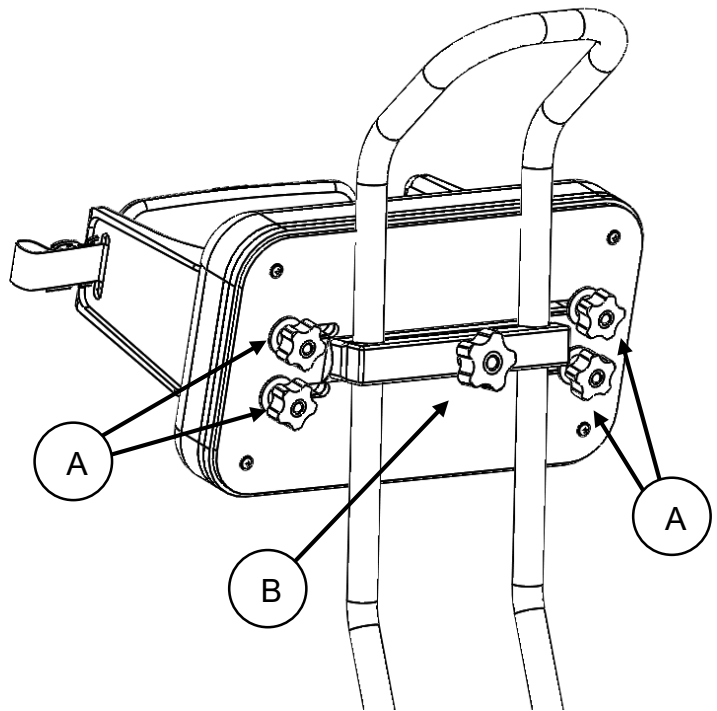
- Locate hex bolts (C) on both clips (A).
- Loosen while holding onto the extension handle (B).
- Adjust to desired position.
- Re-tighten hex bolts (C) until secure.



4.5 Laterals

4.5.1 Lateral Width

- Locate handwheels (A) on the rear of the backrest.
- Loosen handwheels (A).
- Adjust position of laterals.
- Tighten handwheels (A) to secure laterals in place.

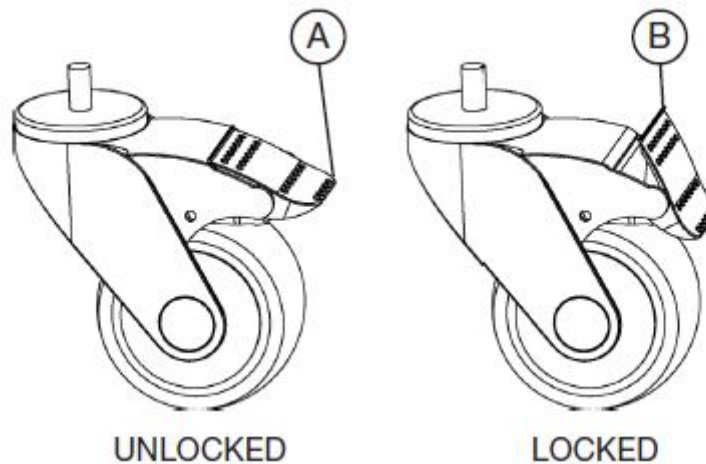


4.5.2 Lateral Height

- Locate handwheel (B) on the rear of the backrest.
- Loosen handwheel (B).
- Set the backrest to the desired height.
- Tighten handwheel (B) to secure backrest in place.



Always lock the castors when attaching items or making adjustments. To lock, apply foot to point (A), to unlock apply foot to point (B).



LAP STRAPS & HARNESSSES SAFETY NOTICE

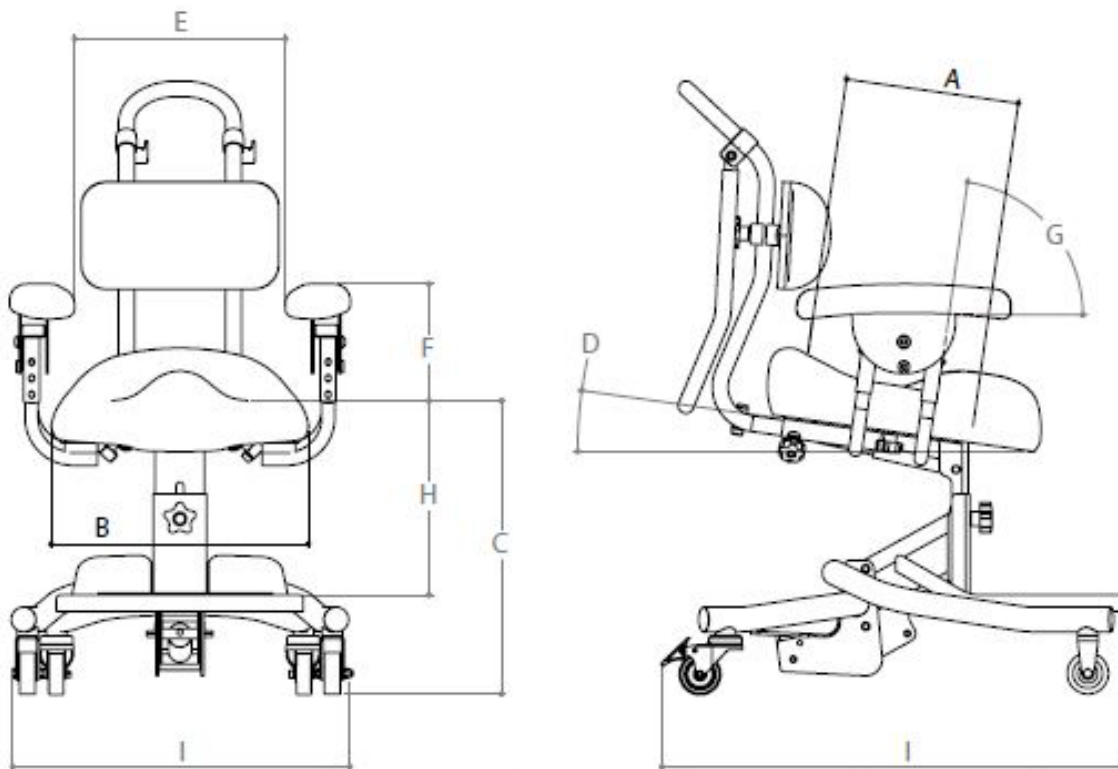
Lap straps and harnesses must be appropriate and safe for the user and the users clothing.

Lap straps and harnesses must be checked every time the chair is used to ensure they are fitted as prescribed by the clinician, take account of the users clothing and are tightened so that the user cannot sustain injury.

Checking the fit of lap straps and harnesses must be done with the user in the chair and should be undertaken as soon as the users sits in the chair.

5.0 TECHNICAL SPECIFICATION

5.1 Chair Dimensions



Key			
A	Seat Depth	F	Armrest Height
B	Seat Width	G	Armrest Angle
C	Seat Height	H	Seat to Footrest Height
D	Seat Angle	I	Footprint
E	Distance Between Armrests		

The diagram above shows the relevant dimensional sizes of the chair. Below (*Table 3*) is a table containing the dimensions of each size. All dimensions are in mm unless otherwise specified.

TECHNICAL SPECIFICATION

Measurement	Size 1	Size 2	Size +2	Size -3	Size 3	Size 4	Size 5
Product Code	10041	10042	10243	10343	10043	10044	10045
A Seat depth (mm)	220	260	260	300	300	350	400
B Seat width (mm)	250	290	290	370	370	450	450
C Seat Height (mm)	270-400	270-400	335-435	335-435	385-525	385-525	465-635
Seat Height using hi-lo base (mm)					410-658	410-658	410-658
D Seat angle (°)	0-15	0-15	0-15	0-15	0-15	0-15	0-15
E Distance between arms (mm)	240-300	300-360	300-360	370-470	370-470	420-550	440-550
F Arm rest height (mm)	120-160	120-160	120-160	170-230	170-230	170-230	170-230
G Arm rest angle (°)	12 to -12	12 to -12	12 to -12	12 to -12	12 to -12	12 to -12	12 to -12
H Seat to footrest height (mm)	180-280	180-280	270-350	270-350	270-350	330-420	400-500
I Footprint width x length (mm)	400 x 490	400 x 490	550 x 650	550 x 650	550 x 650	550 x 650	670 x 660
Max user weight (kg)	40	40	80	80	80	80	90
Max user weight using hi-lo base (kg)					120	135	150
Product weight (kg)	13	13.5	21.5	21.5	21.5	22	23
Product weight with hi-lo base (kg)					34	36	38

Table 3

5.2 Environmental - Storage and Operating Conditions

The chair is intended for internal use within normal environmental conditions.

It is not intended to be used in environments where there are rapid changes in the environmental temperature and humidity during intended use.

The Strato chair suffers little from any effects of lint, dust and light.

- Lint – Due to there being no mechanical or electrical mechanisms on the Strato chair, lint would not affect the chair working.
- Dust – Due to there being no mechanical or electrical mechanisms on the Strato chair, dust would not affect the chair working.
- Light – The Specification of the chair dictates that normal use would occur during ambient luminance 50 – 500 lux. Additionally, as the chair is designed for indoor use only, if required the user may wish to switch on room lighting.

5.2.1 Normal operating conditions

+5°C to +40°C (41°F to 104°F) at a relative humidity between 15% to 90% RH, non-condensing but not requiring a water vapour pressure greater than 50hPa and atmospheric pressure between 700hPa to 1060hPa






5.2.2 Shipping and storage conditions






-25°C to +5°C (-13°F to 41°F) with any humidity level
 +5°C to +35°C (41°F to 95°F) at a relative humidity up to 90%,
 +35°C to 70°C non-condensing at a water vapour pressure up to 50hPa

During all transportation it is recommended that the chair remains in its original packaging.

It is recommended that the chair is stored in a cool, dry place out of direct sunlight. If cleaning is required after storage, please see section 7.0 Cleaning of the user manual for instructions.


Shipping and storage conditions are also contained on Strato Box Label:

SN	<input type="text"/>		<input type="text"/>	
REF	<input type="text"/>		MD - Medical Device	
Product:	<input type="text"/>			SWL : <input type="text"/>
				Built By: <input type="text"/>
	Smirthwaite Ltd, Heathfield, Newton Abbot TQ12 6TL			
EC REP	European Healthcare & Device Solutions (Ireland) Ltd, Stratton House, Bishopstown Road, Cork, Ireland.			
Manufactured in the UK				
Removal of this label will invalidate the warranty				


SN	<input type="text"/>		<input type="text"/>	
REF	<input type="text"/>		MD - Medical Device	
Product:	<input type="text"/>			SWL : <input type="text"/>
				Built By: <input type="text"/>
	Smirthwaite Ltd, Heathfield, Newton Abbot TQ12 6TL			
EC REP	European Healthcare & Device Solutions (Ireland) Ltd, Stratton House, Bishopstown Road, Cork, Ireland.			
Manufactured in the UK				
Removal of this label will invalidate the warranty				

CARELESSNESS CAUSES FIRES

Filling materials and covering fabric meet the requirements for resistance to cigarette and match ignition in the 1983 safety regulations



RESISTANT

 **MADE IN BRITAIN**

26

5.3 Standards Applied

The standards that have been applied to the device are as follows:

- BS EN ISO 12182:2012 (Assistive products for persons with disability. General requirements and test methods).
- IEC 62366:2015 (Application of usability engineering to medical devices).
- BS EN ISO 15233-1 :2016 (Medical devices — Symbols to be used with medical device).

5.4 Disposal



Please observe the local laws on recycling and respect the current laws for disposal within the community the device is being used within. If there is any uncertainty of the below guidelines, contact your local authorities to determine the proper method of disposal of potentially bio-hazardous parts and accessories.

6.0 GENERAL INSPECTION AND MAINTENANCE



No maintenance is to be carried out on the chair while in use to reduce the risk of injury.

The user will not require any tools when completing their inspections.

When completing services, the authorised service engineer will provide their own tools, including:

1 x set of metric Allen keys.

6.1 Daily Checks - To Be Completed by User

Prior to each use the Strato chair must be inspected visually.



Should any of these items fail the inspection, DO NOT use the chair.

Contact your local authorized dealer for service – contact details are on the last page of this manual.

Visually check for the following:

- Check the tray (if supplied) to ensure no parts are loose or damaged.
- Check all upholstery for signs of wear and tear.
- Check that the hand wheels tighten correctly, and are not cross-threaded or damaged.
- Check that the leg screws are present and are tightened correctly.
- Check all straps for fraying, and that buckles are not missing/damaged.
- Check the strap is securely fastened to the poppers on the underside of the chair.

6.2 Battery Charging

Apply the brakes to the castors before charging. Also do not use the chair whilst charging.

- When the battery is low a buzzer will sound. When this happens plug the charging cable into the socket on the battery pack assembly on the push handle of the chair.
- Plug the other cable into a mains socket and turn on to begin charging the battery.
- The battery will become fully charged in approximately 6 hours.

6.3 Service Interval

The Strato chair should be serviced every 1 year(s). Servicing must only be undertaken by a Smirthwaite Ltd. service engineer, or by a Smirthwaite Ltd. trained representative.

6.4 Nominal Service Life

Your product has a nominal service life of 7 years, during which full post-sales support will be available with regard to spares and servicing.

Product service life has been determined based upon the design complexity of product, and the anticipated exposure to normal use.

Good practice dictates all Smirthwaite Ltd. products have been designed and manufactured to high levels of safety and quality, and will meet requirements of normal use when maintained in line with our servicing recommendations.



If the product has been out of use for an extended period of time (6 months or more) it should always be serviced prior to being reissued. If the product has been subjected to 'heavy' or 'constant' use, the service should be reduced to half the recommended period.

Constant and/or heavy use is considered to be:

- Daily use above 7 hours' duration.
- Weekly use above 5 days' duration.
- Monthly use above 10 months per year.
- Use by a client who is at 90% to 100% of the maximum weight limit of the product. The maximum weight limit must NEVER be exceeded.
- Use by a client who is extremely active, either voluntarily or involuntarily.

6.5 Extending Nominal Service Life

At Smirthwaite Ltd. we are proud to produce products that have a reputation for quality and durability.

We believe our products have the potential to provide benefits to our clients beyond the nominal service life documented above.

We will continue to provide full support beyond the nominal service life provided the following conditions are met:

1. A full service schedule has been maintained.
2. A full service and inspection is undertaken at the end of the nominal service life period.
3. The product is subsequently serviced annually (or biannually if under 'heavy/constant' use conditions).
4. Smirthwaite Ltd. reserve the right to limit support where parts/components are no longer available.

6.6 User Serviceable Parts

Please contact Smirthwaite Ltd. or your local dealer for information to assist service requirements on the Strato – e.g. to ascertain the necessary information for replacement parts and components. Contact details are shown on the last page of this manual

6.7 Final Inspection

When the service is complete:

- Remove any waste created as part of the service from the site.
- Confirm with the operator if the chair is safe to use and that it has been left in a working state. Isolate the chair if it is not safe to operate.
- Complete all documentation – see section '8.0 Service Documentation.'



Incorrect use may result in personal injury or damage to objects.

7.0 CLEANING

Please follow the cleaning guidelines below; noting the frequency is appropriate with usage.



It is recommended to clean the Strato chair and accessories before use by a different person, reducing the risk of cross-contamination.

7.1 General cleaning

The exterior of the Strato chair can be cleaned using a damp soapy cloth for general cleaning duties. Please ensure the cloth is damp and not wet. Ensure the exterior of the chair is dry after cleaning. Dry using a clean dry cloth.

- Upholstery - damp cloth and mild detergent.
- Wooden Parts - damp cloth and mild detergent.

Key cleaning points include;

- Stubborn marks on the woodwork should be cleaned by using a soft brush.
- Do not soak or immerse the chair in water.
- The pelvic strap can be cleaned with a damp cloth. In cases of extreme soiling it can be machined washed at low temperature with mild detergent but must be drip dried.
- Store the chair in a cool dry place out of direct sunlight.



DO NOT use bleach, solvents, abrasives, synthetic detergents, wax polishes, antibacterial sprays or wipes.

For further information, please refer to MHRA or your NHS cleaning guidelines.

8.0 SERVICE DOCUMENTATION

8.1 Documentation/ Records

It is the responsibility of the current equipment owner to ensure the Service Manual (As well as any further manuals for accessories fitted to the equipment) are handed over to the new owner at the time of exchange/sale.

It is the responsibility of the current equipment owner to ensure the service and inspection record form is kept up to date.

9.0 WARRANTY

Smirthwaite Ltd warrants the products detailed on your order to be free from defects in materials and workmanship for a period of 2 years from date of delivery. If a fault develops during the period, please call Customer Services by email or telephone 01626 835552 who will advise you on the best course of action. Possible action may be for us to arrange to send out one of our Service Engineers, or have the goods returned to us. Should a repair not be possible within the guarantee period we will replace the product for new or nearest equivalent product. In the unlikely event that we cannot repair or exchange we will refund in full.

This warranty is in addition to your legal rights. Goods will only be collected from the original delivery address.

A charge may be made where the goods cannot be repaired under the terms of the warranty. You will be advised before this is made.

T: +44 (0)1626 835552

E: info@smirthwaite.co.uk

10.0 CONTINUOUS IMPROVEMENT

Smirthwaite Ltd are committed to continuous improvement to their product range. Should you have any suggestions or comments please send them to our product design department at:

info@smirthwaite.co.uk

Smirthwaite Ltd reserve the right to change the specification or material without prior notice.

For catalogues, help and further information on our products please contact us at:

Smirthwaite Ltd 16 Wentworth Road Heathfield, Devon.TQ12 6TL

T: +44 (0)1626 835552

E: info@smirthwaite.co.uk

W: www.smirthwaite.co.uk



Smirthwaite Ltd, 16 Wentworth Road • Heathfield • Newton Abbot • Devon • TQ12 6TL

Part Number: 999-1-05 / Rev: 2 / Date: Sep 21