

# Sydney GoFlat™

Giving  
caregivers  
the means  
to care.





The Sydney GoFlat™ has been designed to enable safe and efficient transfers of critical care patients from lying in bed to a fully seated, clinically optimised position. The Sydney incorporates the Seating Matters principles of pressure management to ensure that when repositioned and sitting out of bed that the patient is supported correctly to reduce the risk of pressure injuries.



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# Sydney GoFlat™

The Sydney GoFlat can form part of the initial process of getting patients out of bed, helping in both the physical and emotional rehabilitation of critical care patients. Long periods of immobility can lead to poor functional and clinical outcomes. Sydney allows patients to get out of bed and into extended clinically approved seated position.

## Early Mobilisation

The benefits of early mobilisation, getting the patient out of bed and repositioning form key parts of the rehabilitation process. Repositioning the patient and transfer from lying in bed to Sydney GoFlat™ can also help reduce the risks of pressure injuries, benefiting the patient both physically and mentally.

## Suitable for:

Patients clinically assessed to start initial rehabilitation process

ICU / Critical Wards

Rehab Units

ER

Burns Units

### Stakeholders:

ICU Management

Nursing Manager

Patient Handling Teams

OT's and PT's

Rehab teams

Acute



Long Term Care



Home Care





# Sydney GoFlat™ Features

## 1 Fully go flat seat

Sydney reclines from seated to fully flat in a smooth movement via a single button on the controller.

## 2 Castellated foam mattress

A Dartex® covered castellated mattress designed to provide effective pressure redistribution and to reduce shear when the mattress is actuated from flat to the seated position.<sup>1</sup>

## Envelo Plus mattress

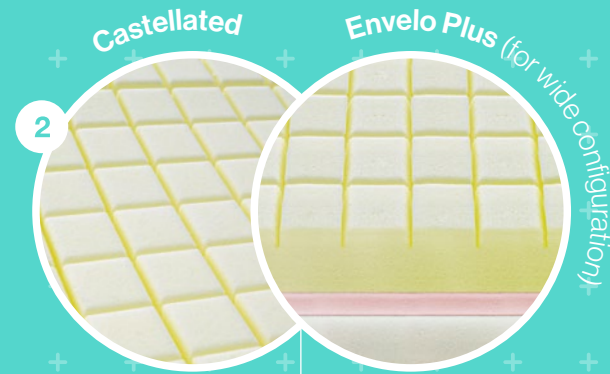
The wide configuration comes with the Envelo Plus as standard for increased comfort, envelopment and pressure redistribution.

## 3 Incorporates up to 45° tilt in space

Enhanced options in repositioning and pressure loading in line with clinical guidelines.<sup>2</sup>

## 4 Enables lateral transfer of patient from bed to seat

Integrates neatly with ICU bed. The seat can be electronically moved up and down to come level with the bed. Lateral transfer of patient can be achieved using approved handling techniques to promote mobilisation.<sup>3</sup>



Watch our full-feature video

Scan the QR code with your phone camera or visit YouTube to watch.



Wide configuration also available

Up to 660mm / 26" / Drop-down arms / Envelo Plus mattress

# Sydney GoFlat™

## Additional Features

1

### Ergonomic handles

For ease of movement by the caregiver to different areas of the building in either upright or flat position.

2

### Independent arm adjustment

The arm adjacent to the bed reclines for transfer, while the other arm remains in the up position to provide a fall arrest feature during patient transfer.

3

### Hip alignment marking

To enable correct positioning of seat to patient prior to transfer, ensuring correct location on seat after transfer.

4

### Fold away footplate

Improves pressure loading<sup>4</sup> of the patient and allows correct positioning and support.

5

### Combination brakes and directional lock castor

Designed for ease of movement, the castors provide direction when being moved and security when locked into position.

7

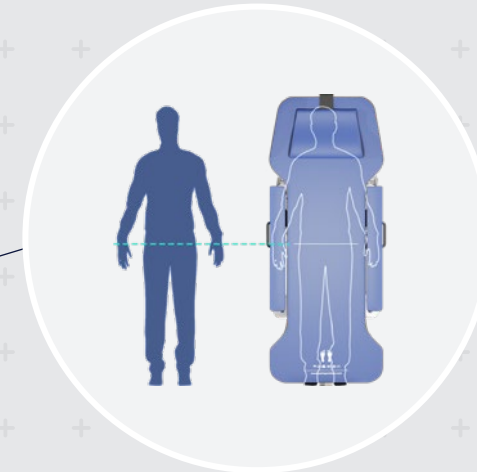
### IV and O<sub>2</sub> pole integration

Enables the patient to sit out and be moved around the building while remaining connected to O<sub>2</sub> and IV.

6

### Support bar

Gives stability to the seat when in fully flat position.



# 4 Principles of Effective Clinical Seating



## Load the Body

Ensure full body is in contact with the chair to redistribute pressure from bony prominences. Don't forget to load the feet! 19% of body weight goes through our feet.<sup>2</sup>



## Provide Postural Support

Accommodate fixed deviations and correct flexible deviations to prevent further progression of deformities and avoid uneven pressure redistribution.



## Effective Repositioning

Guidelines recommend that seated individuals are repositioned frequently to increase blood flow to skin. Functions such as tilt in space and back angle recline make this easier.



## Appropriate Surface

All weight-bearing parts of the chair should facilitate immersion, envelopment and support of the patient's body. The surfaces of Seating Matters chairs are made of high performance pressure distributing materials with a multi-stretch Dartex covering.

 Seating Matters

Wide configuration also available.

- Envelo Plus Mattress
- Drop-down arms - 3 settings
- 660mm / 26" seat width





# Testimonials

## Patient in Palliative Care

“When faced with a palliative patient with complex needs (unsuitable for hoisting, spinal cord injury and progressive disease) I contacted Seating Matters to work through options. The Sydney GoFlat Chair with its complete go flat ability allowed the patient to be transferred laterally across, gave the patient control with positioning and allowed access to areas of the hospital including the garden, which is not currently available in a standard hospital bed.”

## ICU Patient

“The Sydney GoFlat Chair allowed this patient to engage with friends and family, spend time outside and sit in a more upright position to eat a meal. The patient commented on numerous occasions that sitting in the chair was “life changing” and “the highlight of her year so far” following prolonged hospitalisations. She loved the fact that she had control of the remote, and reported that it gave meaning and purpose to her day and provided a structure and routine.”

**Lead OT / Major ICU Hospital / Australia**

# Parts & Accessories



1 Head Pillow  
(As standard)



2 Catheter Hook



3 Concave Head Pillow



4 Lap Belt



5 Lateral Supports



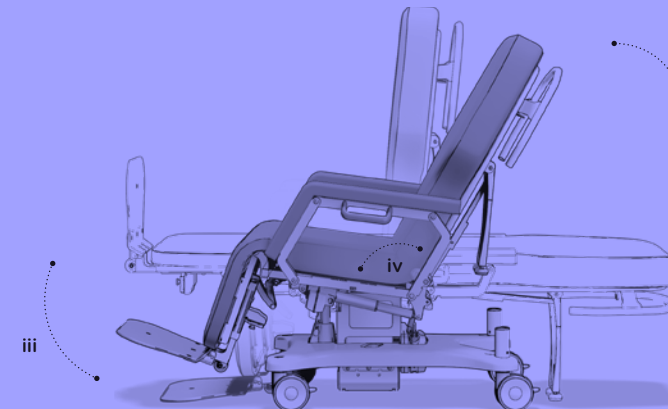
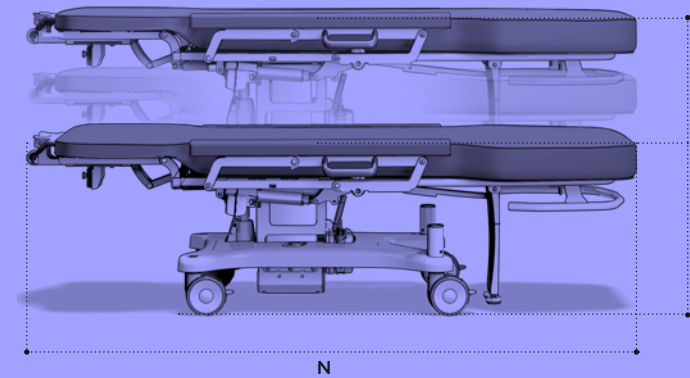
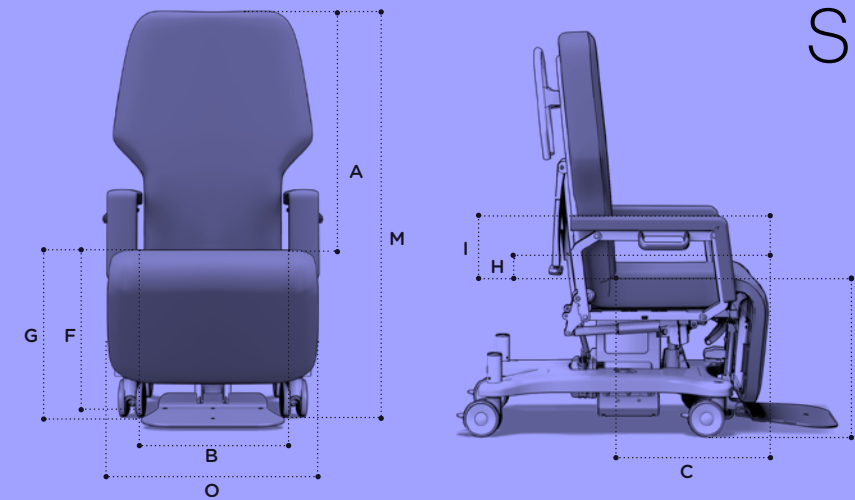
6 Padded Footplate



7 IV Pole & O<sub>2</sub> Holder



# Technical Specifications



## User Dimensions

|                      |                  |
|----------------------|------------------|
| A Back Height        | 35" / 900mm      |
| B Seat Width         | 21" / 535mm      |
| B Seat Width         | 26" / 660mm Wide |
| C Seat Depth         | 22" / 550mm      |
| D Seat Height (High) | 37" / 950mm      |
| E Seat Height (Low)  | 21" / 540mm      |

## Footplate Height (from seat)

|        |             |
|--------|-------------|
| F High | 19" / 470mm |
| G Low  | 24" / 620mm |

(Automatically retracts when lowering chair)

## Arm Height Options (from seat)

|          |                     |
|----------|---------------------|
| H Low    | 6" / 140mm          |
| I High   | 8" / 210mm          |
| J Low    | 4" / 100mm Wide     |
| K Medium | 5 1/2" / 140mm Wide |
| L High   | 7" / 180mm Wide     |

## Chair Dimensions

|                        |                  |
|------------------------|------------------|
| M Overall Chair Height | 55" / 1400mm     |
| N Overall Chair Length | 78" / 2000mm     |
| O Overall Chair Width  | 32" / 795mm      |
| O Overall Chair Width  | 35" / 885mm Wide |

## Recline and Tilt Angles

ii Back Angle Recline  
96° - 180°  
84° range

iii Leg Rest Angle  
-10° to horizontal  
100° range

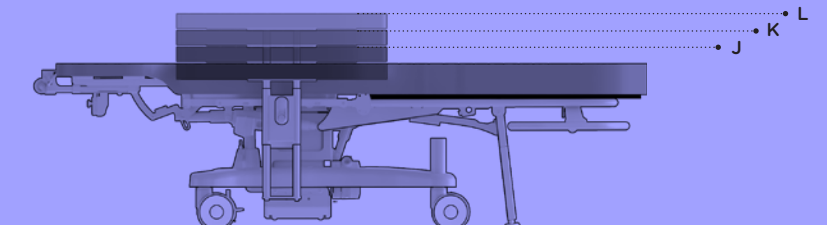
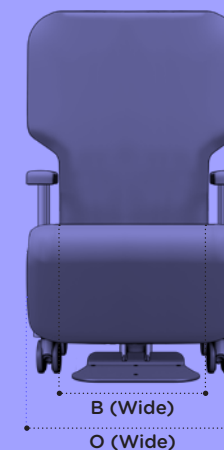
iv Tilt Range  
0° - 17°

**Chair Weight Unloaded**  
12.2 Stone / 78 Kg / 165 lb

**Patient Weight Limit**  
31.5 Stone / 200 Kg / 440 lb

**Legrest Weight Limit**  
10.3 Stone / 66 Kg / 145.5 lb

# Wide Configuration





# Infection Control

Infection prevention is vitally important in the home, hospital and healthcare environments. Bacteria and germs often contribute to the development and spread of infections. They can potentially be very harmful so this is important to control and prevent, especially in areas such as hospitals, where patients may be vulnerable and susceptible to infection.

At Seating Matters we take infection control very seriously. Our chairs have been specifically designed to decrease entrapment areas where bacteria can survive. The chairs can generally be cleaned using the same process and materials as hospital grade beds and mattresses.

Dartex is a proven multi-stretch patient contact surface with bio-static (anti-mycotic) coatings. It is waterproof, stain resistant, flame retardant and has multi-directional stretch for pressure redistribution. It is used on the seat cushion, calf panels, lateral supports and seat back.

- 1

The materials can all be cleaned with hospital-grade cleaning agents, without causing damage to the fabrics. Please refer to the instructions on the specific cleaning solution you intend to use for best results.
- 2

The seat cushion is removable for ease of cleaning.
- 3

The seat cushion is attached to the base of the chair with a non-slip, wipeable surface therefore having no materials such as Velcro which can hold dirt and bacteria.
- 4

All electric components are part of a sealed unit which can be wiped clean.
- 5

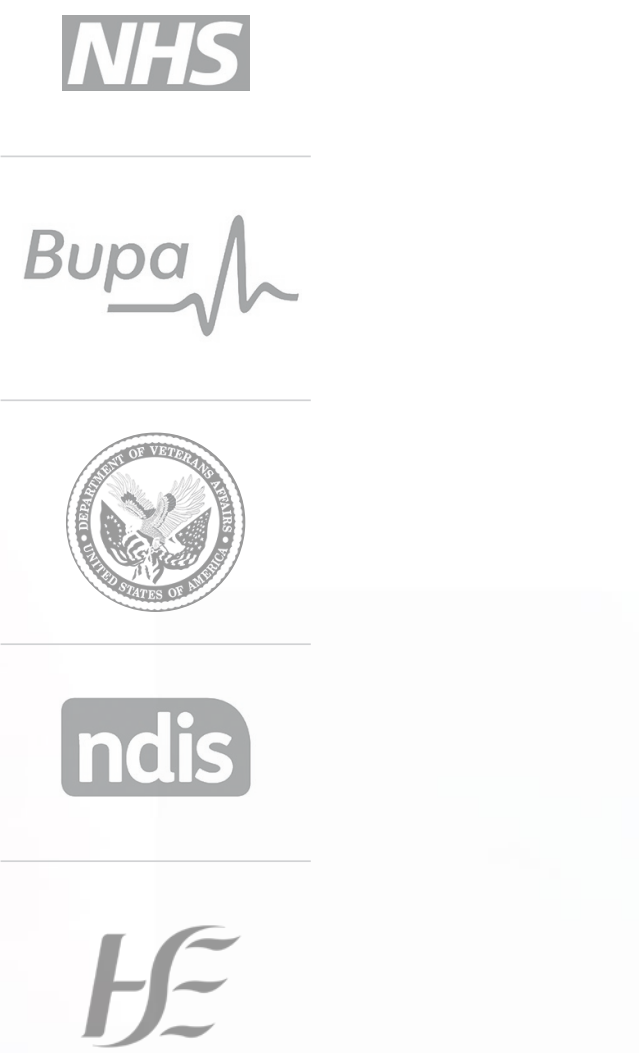
The metal frames of the chairs have a powder coated finish which is electro-statically applied then cured under heat to allow it to form a "skin". The powder is a thermoset polymer and is used to create a hard finish that is tougher than conventional paint, therefore protecting the frame from being exposed to outside conditions and thus preventing rusting.
- 6

All chairs have modular parts which means the chair can be completely dismantled leaving no areas unexposed for cleaning.
- 7

The complete chair frame is designed with flat panels throughout which can be easily wiped clean.
- 8

Patient contact surfaces are Dartex. This fabric is waterproof, has the ability to be wiped clean and has bio-static (anti-mycotic) coatings to provide an impenetrable barrier to virus and bacteria.

Our chairs are used by:



Seating Matters are an ISO 9001 Quality Management System approved company.  
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## Build quality

It takes continuous, careful planning to ensure our chairs are functional as well as being aesthetically pleasing. Our design team are adamant that the chairs need to be designed in such a way that they fit into a home environment. Each and every part of a Seating Matters chair has been engineered and devised to offer optimum quality and support for the user.

## Ease of use

All Seating Matters chairs can be adjusted without tools in less than one minute. Useful to easily and efficiently adjust the chair to suit the user or to readjust for use within a multi-user environment.

## References

1. Trelleborg (2019). Retrieved May 7, 2022. Are You Sitting Comfortably? <https://www.trelleborg.com/engineered-coated-fabrics/-/media/engineered-fabrics/dartex/dartex-pdfs/2019-are-you-sitting-comfortably-ecf-dartex.pdf>
2. Tierney, M. (2022). The Clinician's Seating Handbook, A Reference Guide for Clinical Seating Provision, 6, 62-63
3. National Institute for Health and Care Excellence (NICE) (2009). Retrieved May 10, 2023. Rehabilitation after critical illness in adults [CG83]. <https://www.nice.org.uk/guidance/cg83>.
4. Staas, W.E., Cioschi, H.M. (1991). Pressure sores: a multifaceted approach to prevention and treatment. Western Journal of Medicine, 154, 539-544.

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