

CHESTPAD



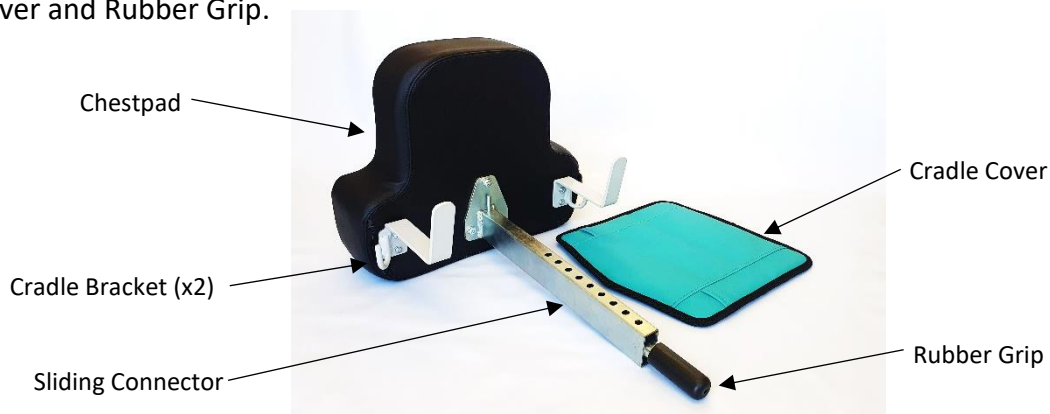
PRODUCT DESCRIPTION

The Chestpad is the main supporting element of the Kera sit2sit. The Backstrap pulls the user into the Chestpad, and these two elements combined hold the user’s torso securely with enough grip to lift them from their seat.

The Chestpad consists of a core plate with a foam core adhered to it and a 4-way stretch medical grade vinyl covering. The foam core is 90mm thick of varying density, high quality foam layers. The foam solution is designed to be a balance of physical support and user comfort.

COMPONENTS

The Chestpad Assembly (as shown) consists of the Chestpad, Sliding Connector, Cradle Brackets, Cradle Cover and Rubber Grip.



The Sliding Connector and Cradle Brackets mount to threaded inserts in the core plate. The Cradle Cover slides onto the Cradle Brackets. The rubber grip slides onto the end of the Sliding Connector.

All components can be ordered individually as replacements for lost or damaged items on the Chestpad assembly.

To understand how to replace these components on the Chestpad assembly refer to:

[Kera - Chestpad Foam Customisation - HT Systems at www.htsystems.co.nz](http://www.htsystems.co.nz)




KERA SIT2SIT – ACCESSORY INFORMATION - CHESTPAD

CHESTPAD SIZES

The Chestpad comes in three sizes to suit a range of user requirements.

All sizes have the same Sliding Connector and Cradle Hooks and Cradle Cover and can be used with the standard Backstrap and Thighstrap.



	Standard	Short	Petite
			
	Largest and most comfortable pad suitable for most users	Shortened in height for users who are shorter or who have reduced neck control	Petite size for smaller users or children. Reduced width for narrow armrests
User height	~140-190cm	~100 -140cm (acceptable up to 190cm for user with reduced neck control)	~100-150cm
User weight	Up to 120kg	Up to 120kg	Suggested up to 60kg
Chestpad Dimensions	Width = 40cm* *(will compress to 38cm) Height = 35cm Thickness = 11cm	Width = 40cm* *(will compress to 38cm) Height = 27cm Thickness = 11cm	Width = 31cm* *(will compress to 30cm) Height = 27cm Thickness = 11cm

*the edges of the Chestpad are soft foam and will compress easily to the minimum width stated.

The Standard Chestpad is the largest and most comfortable pad and is suitable for most adult users. It is designed for users of height between **140cm-190cm** tall and weighing up to 120kg. Its maximum width will fit between the arms of most adult sized wheelchairs on the market. Its height is designed to be able to comfortably support a person who is 190cm tall, while not being too tall for a person who is **140cm** tall.

The Short Chestpad has similar dimensions to the Standard Chestpad, but its height is reduced by **8cm**. The Short model best suits a shorter person or someone with limited head control whose chin would sit on the top of the Chestpad, or face would slump forward into the top. For more examples relating to head control see User Cases at www.htsystems.co.nz/user-cases.

The Petite Chestpad is designed for small users of height between **100-150mm**, who are potentially sitting in a child sized wheelchair with narrow arm rests. It is narrower and has smaller side cushions to ensure a better fit for a small chair. As the padded area is smaller in the Petite model, the recommended maximum weight is **60kg** to ensure suitable comfort.

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SCRIPTING A CHESTPAD SIZE

-The Standard Chestpad will work for most adults between 140-190cm and any weight up to 120kg.

-The Petite Chestpad is most suitable for children or small adults of height 100-140cm and less than 60kg.

-**The Short Chestpad** may be required when an adult is greater than 60kg but less than 140cm or has limited neck control or ability to straighten their back to allow their chest to be engaged by the Chestpad.

To determine if the Short Chestpad is required, measure between the user's lap and chin in the position they would be in as the Kera is engaged with them or when they are sitting up as straight as possible. The following image shows how to take this measurement:

If this measurement is **greater than 35cm**: the **Standard Chestpad** is recommended.

If this measurement is **less than 35cm**: a **Short Chestpad** is recommended.

If this measurement is **less than 27cm**: **contact HT Systems** to discuss the suitability of the Kera sit2sit.



REMOVING AND INSTALLING THE CHESTPAD

The Cradle Cover can be removed from the Cradle Brackets to make this process easier. Pull the top corners of the Cradle cover upward to slide it off.

To remove the Chestpad:

- Remove the Rubber Grip front the rear of the Sliding Connector.
- Pull up the Indexing Pin and slide the Chestpad from the Hub, such that the Chestpad is separate.

To install the Chestpad:

- When sliding the Sliding Connector into the Hub, be careful not to dislodge the adhesive plastic strips on the inside surfaces of the Hub. Pull up the Indexing Pin and slide the Chestpad into the Hub.
- Replace the Rubber Grip on the Sliding Connector. A small amount of water inside the rubber grip can make it easier to replace the grip. Replace the Cradle Cover.



MODIFICATION PROCESS FOR THE CHESTPAD FOAM CORE

The foam core of the Chestpad can be modified to improve the comfort of the transfer for a user who requires pressure relief at a certain point of the torso due to a Suprapubic Catheter, PEG or Pacemaker for example. Removing the vinyl cover and cutting out a section of foam from the Chestpad at the point of concern will alleviate pressure from the area without affecting the overall function and comfort of the transfer.

HT Systems recommends using the Thighstrap accessory to further reduce required torso pressure if Chestpad modification is needed.

For full instructions of the modification process refer to the document:

Kera - Chestpad Foam Customisation - HT Systems at www.htsystems.co.nz



Images show an indication of the Chestpad modification process

CUSTOMISATION AND MODIFICATIONS

Additional elements for and customisations to the Chestpad can be made in order to facilitate its success for a client and their specific needs, for example, and head rest can be added to the Chestpad to control the users head when being transferred.

For custom modifications, contact HT Systems to discuss the suitability of adding the custom component and design guidelines for its attachment.