



**corus**

the low height bed reducing the risk of injury

**a unique approach to bed design**



# corus the low height bed reducing the risk of injury



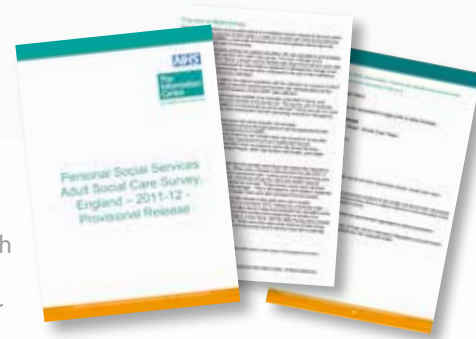
## A unique approach

The Corus low bed has been designed using 4 years of research on anthropometric data based on the Adult Social Care Survey 2009-2012. Over 227,000 people were surveyed looking at their age, gender, height, weight and mobility.

The findings from the survey showed:

- 175cm average height
- 80kg average weight
- Over 75% are over 64 years old
- 65% female
- 90% either cannot or have difficulty getting out of bed

IEC 60601-  
**2-52**  
COMPLIANT



We took the findings from the research, our continuing work with numerous community NHS Trusts and Renray's years of experience with anthropometric data and developed a bed which still has a standard size perimeter, so it fits the standard ranges of therapeutic mattresses, but has uniquely sized platform sections and a profiling system designed to accommodate the demographic indicated in the survey.

The Renray Corus low bed has a unique low height of 19.5cm and is designed to help in the prevention of falls and injuries to clients. The simple to use variable height allows greater independent movement and transfers.

## Enhanced comfort and support

The enhanced patient positioning and the optimised mattress platform reduce shear and friction when the bed is being adjusted, by correctly supporting the user throughout the profiling range and increasing comfort. The position of the pivot point of the backrest and thigh section are closer to the client's natural pivot point (their hip joint), mimicking the way tissue stretches as they move from a lying to sitting position and reduces abdominal compression while seated. This offers major benefits over conventional low height beds:

- Enhanced shear and friction reduction
- Excellent postural support
- Better respiratory positioning
- Exceptional comfort

### Solving the problem

A bed that is too long means that the sections do not move with, or support, the resident correctly. This can significantly increase the shear forces and pressure points that lead to pressure ulcer development. A bed that is too high or too low can cause problems for staff and increases the risk of falls.



The manual calf section adjustment allows positioning of the lower leg for drainage, DVT prevention and heel pressure reduction.



**LOW HEIGHT  
ONLY 19.5cm**

The Corus bed has a low height of 19.5cm, from mattress platform to floor, offering increased security for clients, allowing them a relaxed sleep and peace of mind, especially when combined with a falls mattress, significantly reducing injury from bed falls. However, carers can also simply raise the bed to a more suitable height when necessary for delivering care.

## Dementia friendly bed

- Appearance is in harmony with a domestic setting
- Uniquely styled head and foot board design, enhancing patients' visual field, reducing the "enclosed feeling" that some beds generate
- Rounded corners for safety
- Appropriate height to prevent injury from falls
- Stable four point design as dementia users tend to use the bed as a mobility aid
- 30 point Light Reflectance Values (LRVs) between the grey rounded corners and head and foot panels can be achieved, making it easy for the visually impaired to see the edge of the bed

## User friendly design

The height, contouring and tilt functions are electrically operated via the simple to use, lockable handset.

- 1 person assembly
- No tools required for assembly



## Infection control

Open bed design allows easy cleaning; electrically operated height ensures cleaning can be undertaken at an appropriate height reducing moving and handling risks.

Powder coated frame is smooth and easy to wipe clean.

## Easy maintenance

- Plug and play maintenance, all controls are easily accessible.
- Head and foot panels are removable by one person and easily replaced.
- Interchangeable head boards – various colour options are available.

## Moving and handling

The moulded hand grips on the corners of the head and foot ends provide safe and secure manoeuvring of the bed in both the installed and transport modes. The shape and material allows a comfortable grip on the bed frame while also acting as a protective feature for both the bed and walls and furniture adjacent to the bed.

## Transport

- 100mm castors for easy transportation
- Lightweight design
- Individual sections are less than 20kg for safety when assembling



## Corus low bed features

- IEC 60601-2-52 compliant
- 4 Section electric profiling bed
- Exceptional low height of just 19.5cm – ideal for use with falls risk users
- 60cm top height (75cm with mattress) – ideal height for delivering care
- Bed separates into 4 sections for easy transportation, assembly and installation by a single person
- Enhanced profiling system for improved patient positioning with reduced shear and friction
- Tilt (head down) to -10.5°
- Reverse tilt (head up) to +10.5°
- Ø100mm individual braking castors
- Integral bed extension of 11.5cm with mattress retainer
- Integral storage and transportation unit – transport brackets are stored within the bed frame
- Patient handset with security lock-out feature
- Vascular and fowler leg positioning
- Uniquely styled head and foot board design enhancing patients' visual field, reducing "enclosed feeling" that some beds generate
- Battery backup/emergency lowering facility
- Compatible with a variety of therapeutic support surfaces

## Product data

	COR1000/COR2000	COR2400
Safe working load	180Kg (28 stone)	180Kg (28 stone)
Maximum patient weight	150Kg (23 stone)	150Kg (23 stone)
Mattress platform dimensions	1965 x 910mm	1965 x 1182mm
Standard bed length (external)	2163mm	2163mm
Bed length inc. bed extension (external)	2278mm	2278mm
Bed extension length	115mm	115mm
Bed width (external without side rails)	937mm	1182mm
Bed width (external with ¾ side rails)	1012mm	1247mm
Variable height range	195 to 600mm*	300 to 705mm
Angle of back rest	0° to +70°	0° to +70°
Vascular and fowler leg rest angle	Vascular+27° Fowler: -24°	Vascular+27° Fowler: -24°
Tilt (head down)	-10.5°	-10.5°
Reverse tilt (head up)	+10.5°	+10.5°
Bed on transport frame - dimensions	W942 x D562 x H1275mm	W1187 x D562 x H1275mm

\*Variable height range for the COR2000 is 300 to 705mm

## Accessories

ELP – Lifting pole (SWL 75Kg)

COREGH – Mobility grab handle mounts on side of bed

CORSSR – ¾ Folding side rails – standard height accommodates mattresses up to 15cm deep\*

CORESRS – ¾ Folding side rails – extra height accommodates mattresses up to 25cm deep \*

## Product code

COR1000 Corus low height profiling bed

COR2000 Corus standard height profiling bed

COR2400 Corus standard height profiling bed, 4ft wide

## More accessories are available

\*The bed is fitted with a location point for all side rails ensuring correct positioning as per compliance to IEC 60601-2-52 bed standard.



## Carer Low Profiling Bed Range



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