

# HOVERMATT®

## PROS™ Sling

Patient Repositioning Off-Loading System

## User Manual



Visit [www.HoverTechInternational.com](http://www.HoverTechInternational.com) for other languages






### TABLE OF CONTENTS

Symbol Reference .....	2
Intended Use and Precautions.....	3
Part Identification - HoverMatt® PROS Sling.....	4
Product Specifications/Required Accessories.....	4
Instructions for Use .....	5-9
Cleaning and Preventive Maintenance .....	10
Returns and Repairs.....	11

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

---

## Symbol Reference

	CE MARKING OF CONFORMITY		LOOP STYLE HANGER BAR
	UK MARKING OF CONFORMITY		LOT NUMBER
	AUTHORIZED REPRESENTATIVE		MANUFACTURER
	UK RESPONSIBLE PERSON		DATE OF MANUFACTURE
	SWITZERLAND AUTHORIZED REPRESENTATIVE		MEDICAL DEVICE
	CAUTION / WARNING		MODEL NUMBER
	ATTACH CONNECTING STRAP		MR SAFE
	DISPOSAL		SINGLE PATIENT - MULTIPLE USE
	FOOT END		DO NOT LAUNDRER
	IMPORTER		UNIQUE DEVICE IDENTIFIER
	OPERATING INSTRUCTIONS		PATIENT WEIGHT LIMIT
	LATEX FREE		

## Intended Use and Precautions

### INTENDED USE

- The HoverMatt PROS (Patient Repositioning Off-Loading System) Sling is breathable and used to assist caregivers with patient positioning (including boosting and turning), vertical lifts, lateral transfers, and proning. By providing pressure relief of bony prominences to aide with Q2 compliance, reducing shear and friction when repositioning, and enhancing microclimate management, the system provides a solution to safely turn and reposition patients while reducing caregiver strain.

### INDICATIONS

- Patients unable to assist in their own repositioning (including turning and boosting) and lateral transfer.
- Patients that need Q2 turning for off-loading pressure.
- Patients that need to be placed in prone position.

### CONTRAINDICATIONS

- Do not use with patients over the weight limit of 550 lbs without use of a ceiling or floor lift.
- Do not use with patients over the weight limit of 1000 lbs with a ceiling or floor lift (or the weight capacity of the lift – whichever is the lower weight limit).
- Do not use as a sling with patients who are experiencing thoracic, cervical or lumbar fractures that are deemed unstable unless a clinical decision has been made by your facility.

### INTENDED CARE SETTINGS

- Hospitals, long term or extended care facilities
- Breathable: May remain under patient.

### PRECAUTIONS – FOR USE AS A SLIDE SHEET

- Caregivers must verify that all brakes have been engaged prior to transfer.
- Use a minimum of two caregivers during lateral patient transfers.
- For in-bed positioning tasks, more than one caregiver may need to be used.
- Use this product only for its intended purpose as described in this manual.
- When transferring or positioning on a low air loss mattress, set the bed mattress air flow to the highest level for a firm surface.
- Additional support products may be necessary between surfaces when transferring.

### PRECAUTIONS – FOR USE AS A SLING

- For transfers more than one caregiver may need to be used.
- For in-bed positioning tasks, more than one caregiver may need to be used.
- For proning, see HoverTech’s training video @ [www.HoverTechInternational.com](http://www.HoverTechInternational.com).
- The PROS Sling should only be used by trained personnel.
- Only use accessories that are authorized by HoverTech.
- A clinical assessment should be carried out before lifting patients with the PROS Sling.
- Make sure the PROS Sling is not attached to any object other than the loop style hanger bar.
- When connecting to loop style hanger bar, ensure strap loop colors match on the patient’s left and right side.
- Once the sling support straps are fully extended, make sure they are properly connected to the hanger bar before the patient is lifted.
- Never lift a patient higher than is necessary to complete the lift/transfer.
- Never leave the patient unattended while using the PROS Sling to lift the patient.
- Use the PROS Sling according to both the lift and PROS Sling instructions.
- If the weight limit differs among the patient lift, hanger bar, and PROS Sling, then the lowest weight limit applies.



If there is any indication of damage, remove the PROS Sling from service and discard.



Side rails must be raised with one caregiver.



For use with loop style hanger bar only.



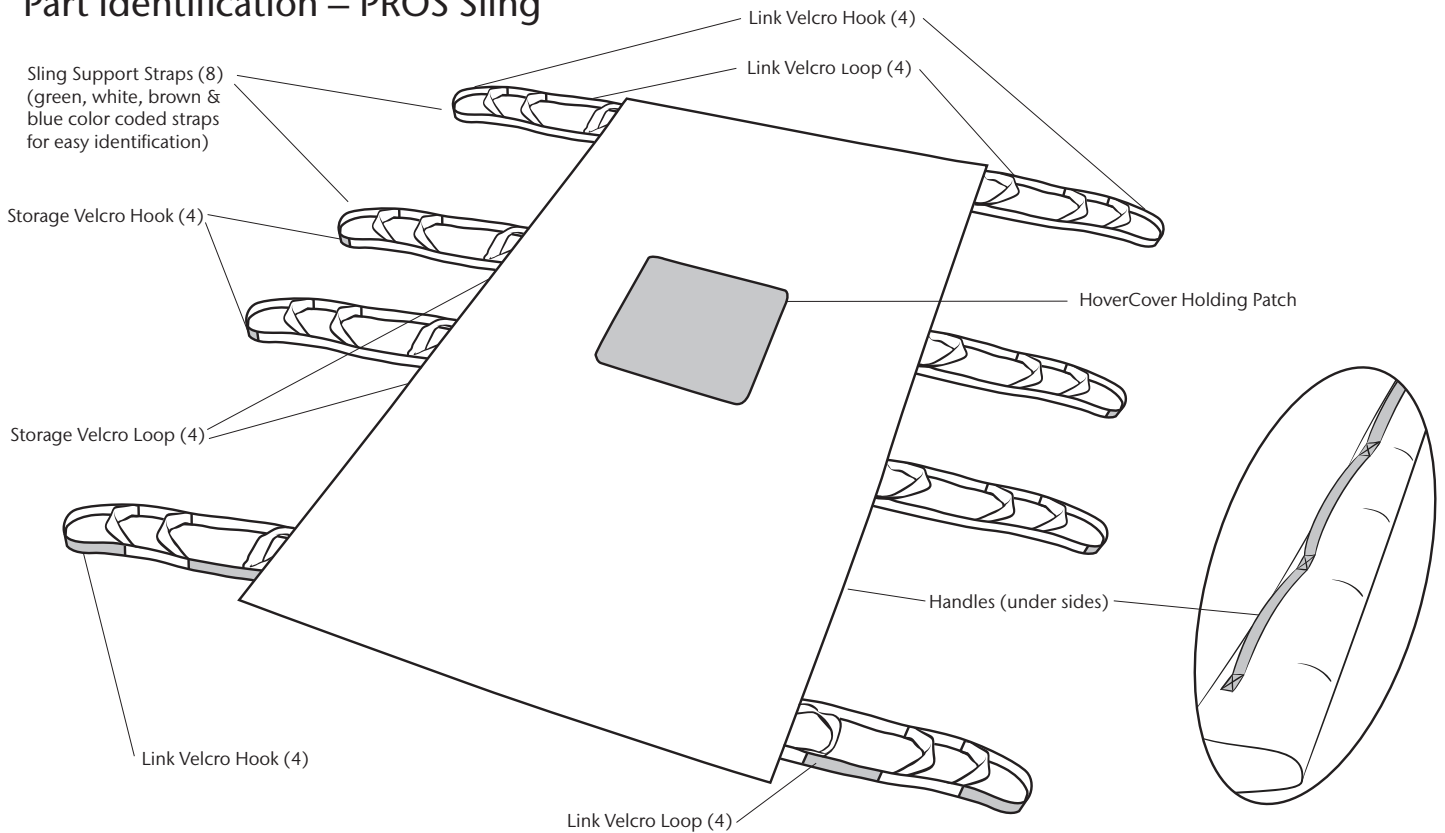
In the OR – To prevent patient from slipping secure the patient and PROS Sling to the OR table prior to moving the table into an angled position.

### PRECAUTIONS – MRI

- The HoverMatt PROS Sling is MR Safe by rationale. The device is made from all non-ferrous materials. As a result, MR safety testing was not performed. Based on rationale, the HoverMatt PROS Sling is electronically non-conductive and non-magnetic.

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

## Part Identification – PROS Sling



## Product Specifications/Required Accessories

### PROS Sling

<b>Material:</b>	Nylon Twill
<b>Construction:</b>	Sewn
<b>Width:</b>	43.5" (110.49 cm)
<b>Length:</b>	78" (198 cm)

### REQUIRED ACCESSORY FOR USE AS A SLING:

Any patient lift with 2, 3, or 4-point loop style hanger bars intended for use with:

- Mobile hoists
- Hoist trolleys
- Stationary hoists fixed to the wall/walls, floor and/or ceiling
- Stationary free-standing hoists

Model #: PROS-SL-KIT (Non-Air Sling + HoverCover + pair of wedges) 3 per case\*

Model #: PROS-SL-CS (Non-Air Sling + HoverCover) 5 per case



LIMIT 550 LBS/ 250 KG (Slide Sheet)

1000 LBS/ 454 KG (Sling)

\*Wedge Pair Includes: 1 Wedge with Tail & 1 without Tail, Compressed

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

---

## Instructions for Use – PROS Sling\*

### PLACING PRODUCT UNDER PATIENT – LOG ROLLING TECHNIQUE

1. Open the product and place length-wise next to the patient.
2. Unfold the PROS Sling furthest from the patient to the side of the bed.
3. Tuck the other side under the patient as far as possible.
4. Roll the patient onto their side toward the unfolded sling. Unroll the rest of the sling from under the patient to cover the bed.
5. Place the patient back in a supine position. Straighten sling to remove any wrinkles.

### ATTACHING TO BEDFRAME

1. Loosely attach Velcro hook to Velcro loop around solid points on the bedframe (or to the headboard or siderails as your facility protocols or bed type allow) to reduce sling migration.
2. Repeat the process on the other three corners of the sling.
3. Before boosting, turning, proning, lifts and/or transfers, disconnect sling straps.

---

## Instructions for Use as a Slide Sheet\*

### BOOST/REPOSITION

(To ease boosting efforts, place bed in Trendelenburg prior to boosting.)

1. Ensure brakes are locked. More than one caregiver may be needed for this task. If using one caregiver, raise the siderails.
2. Place PROS Sling underneath patient using a log rolling technique. Be sure patient is centered on the product prior to movement.
3. Using the handles on the sling, boost/reposition the patient using proper ergonomic positioning for the caregiver.

Note: To use with a ceiling or floor lift, see strap suggestion guide on page 5 for attachment to a loop-style hanger bar.

### TURN/WEDGE PLACEMENT

1. Ensure brakes are locked. More than one caregiver may be needed for this task. If using one caregiver, raise the siderails.
2. Be sure patient is centered on the product prior to movement.
3. Wedge Placement
  - a. To insert wedges, hold PROS Sling by the handles and place wedges between the bed and sling.
  - b. Insert the tail of the wedge under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast<sup>™</sup> foam.
  - c. Place the standard wedge to support the patient's back about 1 hand's width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
  - d. Pull the tail through to the other side of the patient to anchor the wedge.
  - e. After wedges are placed, make sure the sacrum is not touching the bed (floating). If it is touching the bed, reposition wedges to ensure sacral off-loading.
4. Hygiene Turn, HoverCover<sup>™</sup> Replacement, Wedge Placement (non-air turn)
  - a. With a caregiver on each side of the patient, one caregiver hands the sling straps to the caregiver who will be completing the turn
    - i. With good ergonomic posture, the caregiver turning the patient will begin to pull on the sling straps facilitating the turn. Patient will start to roll on their side towards the caregiver performing the turn
    - ii. If replacing the HoverCover or performing a hygiene turn, the opposite caregiver will brace the patient on their side while the turning caregiver will release the handles and hold onto the patient's hip and shoulder to stabilize the patient.
    - iii. While the patient is turned, hygiene can be performed and HoverCover removed and replaced.
    - iv. Repeat on the other side before placing wedges.
    - v. Find the patient's sacrum and place the wedge under the sacrum. Insert the tail under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
    - vi. Place the standard wedge to support the patient's back about 1 hand width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
    - vii. Return patient to supine position.
    - viii. Pull the tail through to the other side of the patient to secure the wedge.
    - ix. After wedges are placed, make sure the sacrum is not touching the bed (floating). If it is touching the bed, reposition wedges to ensure sacral off-loading.

\*Every PROS Sling includes a HoverCover absorbent pad. For proper use, the PROS Sling is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

## Instructions for Use as a Slide Sheet\*

### TURN/WEDGE PLACEMENT CONTINUED

#### 5. Wedge Placement with a Ceiling or Portable Lift (Single Caregiver)

- Raise the side rails on the opposite side of the bed the patient will be turned toward. Ensure the patient is centered and slide the patient in the opposite direction of the turn using either the sling to lift or a manual technique. This will allow the patient to be centered on the bed when repositioned on the wedges.
- Attach the shoulder and hip loop straps of the sling to the hanger bar which should be parallel to the bed. Raise the lift to initiate the turn.
- Insert the tail of the wedge just under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast<sup>™</sup> foam.

- Place the standard wedge to support the patient's back about 1 hand's width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
- After the wedges are placed, lower the patient onto the wedges, ensure straps are not underneath the PROS Sling.
- Pull the tail through to the patient's other side until taught. Check wedge placement by placing your hand between the wedges, confirming the sacrum is not touching the bed. If it is, reposition wedges to ensure sacral off-loading.

### PRONE

- Ensure brakes are locked. Multiple caregivers will be needed for this task.
- Be sure patient is centered on the product prior to movement.
- Slide patient & PROS Sling over to one side of the bed to ensure room for the turn.
- Place another HoverCover & PROS Sling on top of the patient. Fold mat down to shoulder level to keep face exposed.
- Roll the two slings together toward the patient to tightly cocoon the patient.

- With a firm grasp on the rolled slings, turn the patient onto their side. Caregivers on opposite sides should exchange hand positions (hands on top should switch with hands on bottom).
- Continue with turn after hand positions are switched. Unroll the slings and remove the top PROS Sling and HoverCover.
- Position patient per facility protocol.

Note: To use as a sling with a ceiling or floor lift, see strap suggestion guide below for attachment to a loop-style hanger bar.

### LATERAL TRANSFER

- Patient should be in a supine position and centered on the PROS Sling.
- Ensure that transfer surfaces are as close as possible and lock all wheels.
- If possible, transfer from a higher surface to a lower surface. Bridge the gap between the two surfaces using an extra sheet or blanket.

- Grab the handles under the sling and slide the patient onto the receiving surface.
- Ensure patient is centered on receiving equipment.
- Raise the bed/stretchers rails.

Note: To use as a sling with a ceiling or floor lift, see strap suggestion guide below for attachment to a loop-style hanger bar.

## Instructions for Use as a Sling\*

### STRAP USAGE

TECHNIQUE	Seated Transfer Upright	Seated Transfer Reclined	Supine Lift	Turn	Hygiene/Perineal Care	Prone (Use supine lift technique to move patient closer to side of bed. Then follow strap use below on one side to turn patient.)
1st Set (Head)	Green	Blue	Brown	You can use - Blue, Brown, or SKIP	SKIP	You can use - Blue, Brown, or SKIP
2nd Set (Shoulder)	Blue	Brown	Blue	Blue	Blue	Blue
3rd Set (Hip)	SKIP	SKIP	Blue	Blue	SKIP	Blue
4th Set (Foot)	White	White	Brown	You can use - Brown, White, or SKIP	SKIP	You can use - Brown, White, or SKIP

This is just a guide to using the PROS<sup>™</sup> Air Sling. Please use clinical judgement for patient-specific needs.

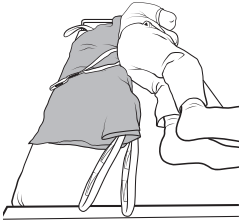
\*Every PROS Sling includes a HoverCover absorbent pad. For proper use, the PROS Sling is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

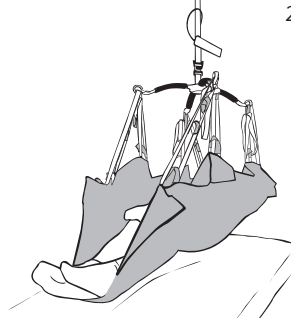
## Instructions for Use as a Sling\*

### INSTRUCTIONS FOR USE – PATIENT IN BED

Note: PROS Sling has eight (8) sling support straps that need to be attached.

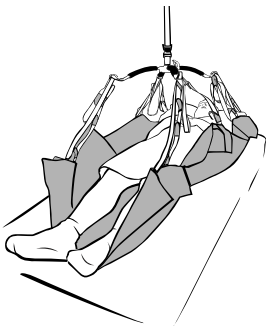


1. Place the PROS Sling underneath patient using log rolling technique.



2. Attach all straps to the hanger bar for the proper safety and comfort of the patient. [Color coded strap loops provide easy identification to match strap placement on the left and right side of the patient.] Lift patient according to lift manufacturer's instructions.

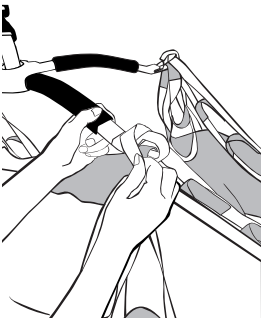
### INSTRUCTIONS FOR USE – BACK TO BED



1. Position patient above center of bed. Lower patient on the bed.



3. Reattach the sling straps to Velcro to avoid dangling straps and to reduce boosting (see chart for attaching to bedframe).



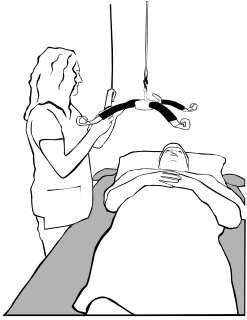
2. Detach strap loops from hanger bar.

\*Every PROS Sling includes a HoverCover absorbent pad. For proper use, the PROS Sling is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

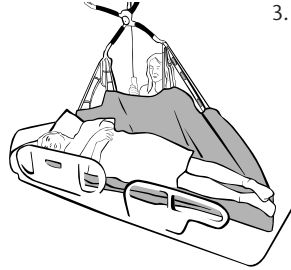
# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

## Instructions for Use as a Sling\*

### INSTRUCTIONS FOR USE – LATERAL TURN/PRONE

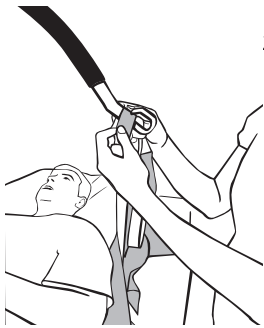


1. With patient centered on the PROS Sling, lower the hanger bar to comfortable working height.



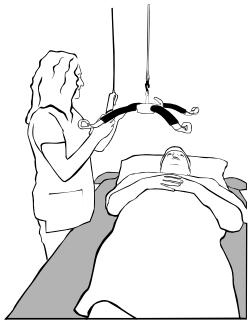
3. As lift is raised, patient will turn towards the opposite side of the bed the straps are attached to. Use wedges to keep patient in position if desired. After the task is completed, lower hanger bar and remove sling straps.

\* To prone, continue the turn and adjust patient/device as necessary after the task is complete.

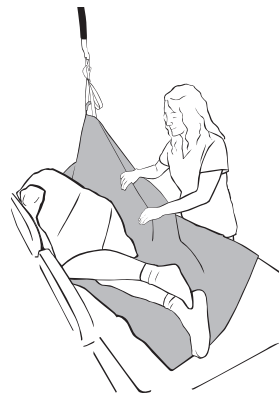


2. Raise bed rails and attach (see chart for guidance) straps on opposite side of patient turn to loops on same side of hanger bar starting at foot end.

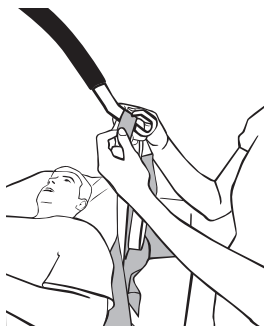
### INSTRUCTIONS FOR USE – HYGIENE TURN



1. With patient centered on the PROS Sling, lower the hanger bar to comfortable working height.



3. As lift is raised, patient will begin to turn to the side opposite the connected strap. Leave sling in place to perform task. Once task is completed, lower hanger bar and remove sling strap.



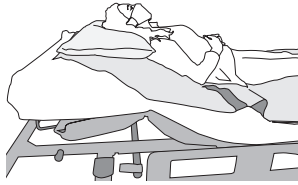
2. Raise bed rails and attach the sling strap that is closest to patient's shoulder to hanger bar.

\*Every PROS Sling includes a HoverCover absorbent pad. For proper use, the PROS Sling is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

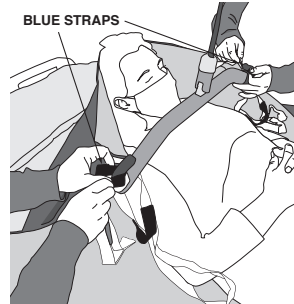
# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

## Instructions for Use as a Sling\*

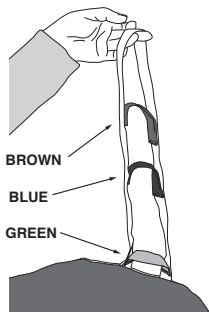
### INSTRUCTIONS FOR USE – SEATED TRANSFER FROM BED



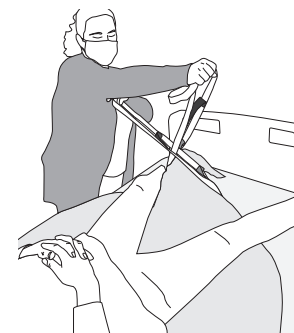
1. Position the PROS Sling under the patient using the log-rolling technique. Elevate the head of the bed to prepare for the seated transfer.



3. Attach the blue sling strap on each shoulder side. Skip the hip sling straps.



2. Attach the straps at the head of the PROS Sling to the hanger bar. For a fully upright seated position – use the green handle. For a reclined seated position – use the 1st sling strap (blue) to reduce hip flexion.



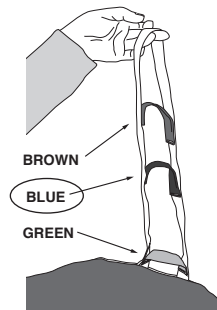
4. Fold PROS Sling between patient's legs and place feet on each side of the PROS Sling. Cross one foot-end sling strap through the other at the lowest loop closest to the device and attach to the hanger bar. Transfer patient.

NOTE: When possible, recline the chair and elevate the footrest. The Velcro link attachments can be utilized to secure the sling to the chair if applicable.

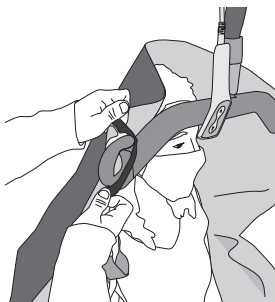
### INSTRUCTIONS FOR USE – SEATED TRANSFER FROM CHAIR



1. Ensure the PROS Sling is properly placed under the patient prior to attaching strap.



3. Attach the blue sling strap on each shoulder side. Make sure to allow plenty of slack in the hanger bar to attach the foot-end straps without sliding the patient off the chair. Skip the hip sling straps.



2. Attach the straps at the head of the PROS Sling to the hanger bar. For a fully upright seated position – use the green handle. For a reclined seated position – use the 1st sling strap (blue) to reduce hip flexion.



4. Fold PROS Sling between patient's legs and place feet on each side of the PROS Sling. Cross one foot-end sling strap through the other at the lowest loop closest to the device and attach to the hanger bar. Transfer patient.

\*Every PROS Sling includes a HoverCover absorbent pad. For proper use, the PROS Sling is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

## Cleaning and Preventive Maintenance

### PROS SLING CLEANING

If soiled, the PROS Sling may be wiped down with disinfectant wipes or a cleaning solution used by your hospital for medical equipment disinfection. A 10:1 bleach solution (10 parts water: one part bleach) may also be used.

NOTE: Cleaning with bleach solution may discolor fabric.

To help keep the PROS Sling clean, HoverTech recommends the use of the HoverCover<sup>™</sup> Disposable Absorbent Cover. Whatever the patient is lying on to keep the hospital bed clean may also be placed on top of the PROS Sling.

The Single-Patient Use PROS Sling is not intended to be laundered.

The HoverMatt PROS Sling has an expected life of 30 days under normal use conditions. If grossly soiled, the PROS Sling should be discarded and replaced with a new one.

### PREVENTIVE MAINTENANCE

Prior to use, a visual inspection should be performed on the PROS Sling to ensure that there is no visible damage that would render the PROS Sling unusable. The PROS Sling should have all of its sling straps and handles (reference the manual for all appropriate parts). If any damage is found that would cause the system not to function as intended, the PROS Sling should be removed from use and discarded.

### INFECTION CONTROL

The Single-Patient Use PROS Sling eliminates the possibility of cross-contamination and the need for laundering.

If the PROS Sling is used for an isolation patient, the hospital should employ the same protocols/procedures it utilizes for the bed mattress and/or for linens in that patient room.

# HOVERMATT<sup>®</sup> PROS<sup>™</sup> Sling User Manual

---

## Returns and Repairs

All products being returned to HoverTech must have a Returned Goods Authorization (RGA) number issued by the company. Please call (800) 471-2776 and ask for a member of the RGA Team who will issue you an RGA number. Any product returned without an RGA number will cause a delay in the repair time.

Returned products should be sent to:

HoverTech  
Attn: RGA # \_\_\_\_\_  
4482 Innovation Way  
Allentown, PA 18109

For European companies, send returned products to:



Attn: RGA # \_\_\_\_\_  
Kista Science Tower  
SE-164 51 Kista, Sweden

For product warranties, visit our website:

<https://hovertechinternational.com/standard-product-warranty/>



### HoverTech

4482 Innovation Way  
Allentown, PA 18109

[www.HoverTechInternational.com](http://www.HoverTechInternational.com)  
[Info@HoverTechInternational.com](mailto:Info@HoverTechInternational.com)

*These products comply with the standards applicable for Class 1 products in the Medical Device Regulation (EU) 2017/745 on medical devices.*



Etac Supply Center AB  
Långgatan 12  
334 33 Anderstorp Sweden



### Etac Ltd.

Unit 60, Hartlebury Trading Estate,  
Hartlebury, Kidderminster,  
Worcestershire, DY10 4JB  
+44 121 561 2222

[www.etac.com/uk](http://www.etac.com/uk)



### TapMed Swiss AG

Gumprechtstrasse 33  
CH-6376 Emmetten  
CHRN-AR-20003070

[www.tapmed-swiss.ch](http://www.tapmed-swiss.ch)

In case an adverse event in relation to the device, incidents should be reported to our authorized representative. Our authorized representative will forward information to the manufacturer.



4482 Innovation Way  
Allentown, PA 18109

800.471.2776  
Fax 610.694.9601

[HoverTechInternational.com](http://HoverTechInternational.com)  
[Info@HoverTechInternational.com](mailto:Info@HoverTechInternational.com)