



**PROS Sling
Patient
Repositioning
Off Loading
System**



HOWERTECH PROS Sling Patient Repositioning Off Loading System User Manual

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HOWERTECH PROS Sling Patient Repositioning Off Loading System



Product Specifications

- **Material:** Nylon Twill
- **Construction:** Sewn
- **Width:** 43.5 inches (110.49 cm)
- **Length:** 78 inches (198 cm)

Product Usage Instructions

Setting Up the PROS Sling

1. Open the product and place it 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 the 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 per facility protocols) to reduce sling migration.
2. Repeat the process on the other three corners of the sling.
3. Before boosting, turning, pruning, lifting, and/or transferring, disconnect the sling straps.
























Instructions for Use as a Slide Sheet

BOOST/REPOSITION

(To ease boosting efforts, place the ed in Trendelenburg before 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 the patient using a log rolling technique. Be sure the patient is centered on the product prior to movement.

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 LAUNDRY
	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 pruning. By providing pressure relief of bony prominences to aid 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 are unable to assist in their repositioning (including turning and boosting) and lateral transfer.
- Patients that need Q2 turning for off-loading pressure.
- Patients need to be placed in the prone positions.

CONTRAINDICATIONS

- Do not use with patients over the weight limit of 550 lbs without the 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 it 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 tent.

PRECAUTIONS – FOR USE AS A SLIDE SHEET

- Caregivers must verify that all brakes have been engaged before 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 airflow 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 pruning, see HoverTech's training video @ 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 the oop 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

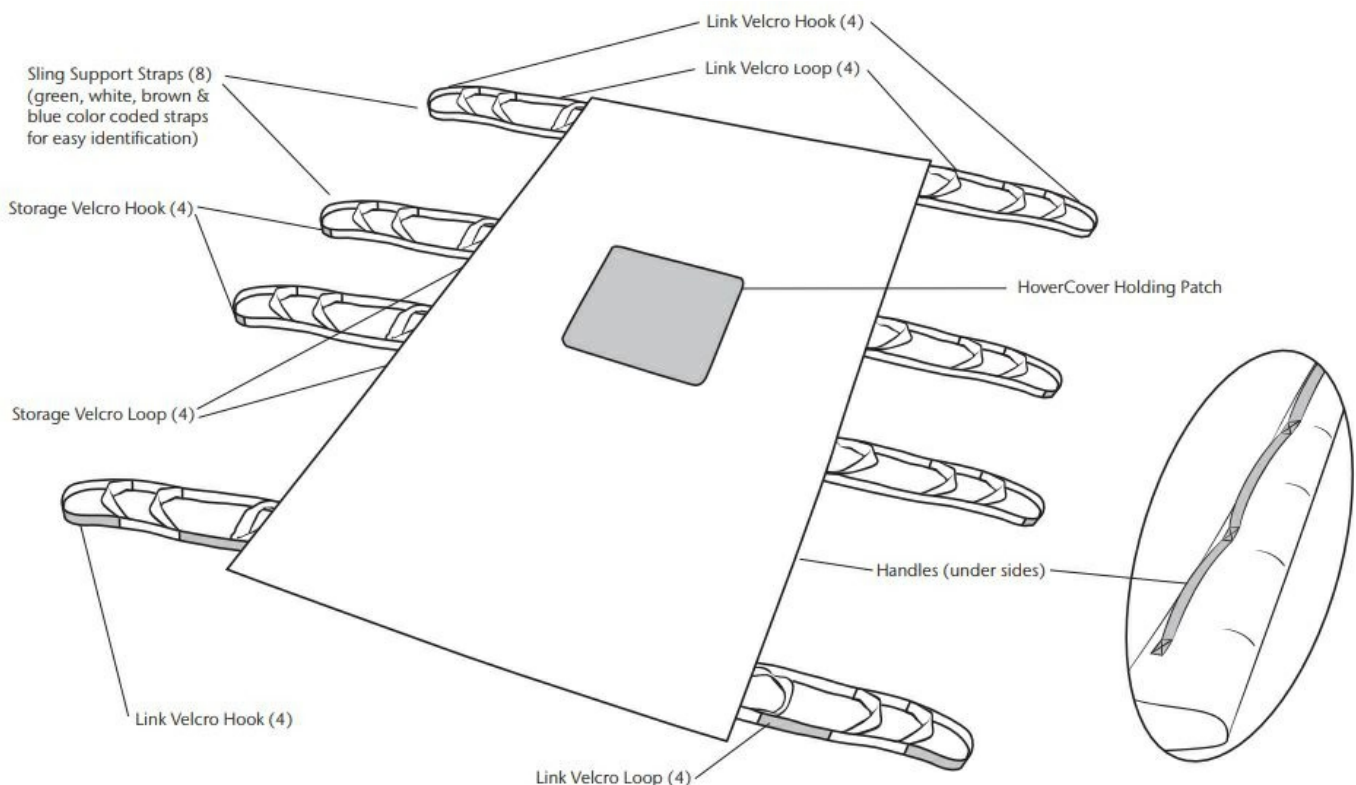
applies.

- If there is any indication of damage, remove the PROS Sling from service and discard it.
- 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 the rationale, the HoverMatt PROS Sling is electronically non-conductive and non-magnetic.

Part Identification – PROS Sling



Product Specifications/Required Accessories

PROS Sling

- **Material:** Nylon Twill
- **Construction:** Sewn
- **Width:** 43.5" (110.49 cm)
- **Length:** 78" (198 cm)

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

REQUIRED ACCESSORY FOR USE AS A SLING:

Any patient lifts 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

Instructions for Use – PROS Sling

PLACING PRODUCT UNDER PATIENT—LOG ROLLING TECHNIQUE

1. Open the product and place it 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 the 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, pruning, lifting, and/or transferring, disconnect the sling straps.

Instructions for Use as a Slide Sheet

BOOST/REPOSITION

(To ease boosting efforts, place the bed in Trendelenburg before 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 the patient using a log rolling technique. Be sure the patient is centered on the product before 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 the strap suggestion guide on page 5 for an 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 the patient is centered on the product before movement.
3. Wedge Placement
 - To insert wedges, hold the PROS Sling by the handles and place wedges between the bed and sling.
 - 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 it in place with the HoldFast™ 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 it in place with the HoldFast foam.
- Pull the tail through to the other side of the patient to anchor the wedge.
- 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™ Replacement, Wedge Placement (non-air turn)

- With a caregiver on each side of the patient, one caregiver hands the sling straps to the caregiver who will be completing the turn.
- With good ergonomic posture, the caregiver turning the patient will begin to pull on the sling straps facilitating the turn. The patient will start to roll on their side toward the caregiver performing the turn.
- 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.
- While the patient is turned, hygiene can be performed and HoverCover removed and replaced.
- Repeat on the other side before placing wedges.
- 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.
- 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 it in place with the HoldFast foam.
- Return the patient to a supine position.
- Pull the tail through to the other side of the patient to secure the wedge.
- 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.

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 it in place with the HoldFast™ 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 it in place with the HoldFast foam.
- After the wedges are placed, lower the patient onto the wedges, and 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

1. Ensure brakes are locked. Multiple caregivers will be needed for this task.
2. Be sure the patient is centered on the product before movement.
3. Slide patient & PROS Sling over to one side of the bed to ensure room for the turn.
4. Place another HoverCover & PROS Sling on top of the patient. Fold mat down to shoulder level to keep face exposed.
5. Roll the two slings together toward the patient to tightly cocoon the patient.
6. 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).
7. Continue with turn after hand positions are switched. Unroll the slings and remove the top PROS Sling and HoverCover.
8. Position patient per facility protocol.

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

LATERAL TRANSFER

1. The patient should be in a supine position and centered on the PROS Sling.
2. Ensure that transfer surfaces are as close as possible and lock all wheels.
3. If possible, transfer from a higher surface to a lower surface. Bridge the gap between the two surfaces using an extra sheet or blanket.
4. Grab the handles under the sling and slide the patient onto the receiving surface.
5. Ensure the patient is centered on receiving equipment.
6. Raise the bed/stretchers rails.

Note: To use as a sling with a ceiling or floor lift, see the 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 the supine lift technique to move the patient closer to the side of the bed. Then follow the strap use below on one side to turn the 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

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 the patient using the log rolling technique.

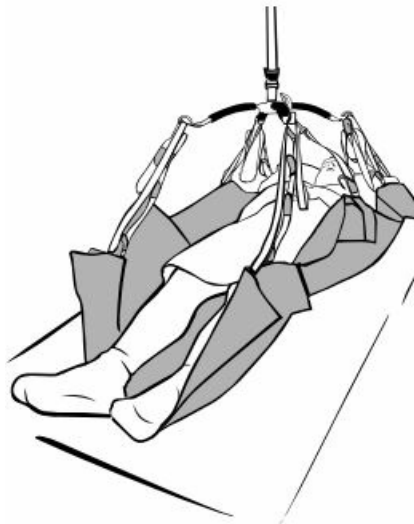


2. Attach all straps to the hanger bar for the proper safety and comfort of the patient. [Color coded strap loops provide easy identification to match strap placement on the left and right side of the patient.] Lift patient according to lift manufacturer's instructions.



INSTRUCTIONS FOR USE – BACK TO BED

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



2. Detach strap loops from the hanger bar.



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



INSTRUCTIONS FOR USE – LATERAL TURN/PRONE

1. With the patient centered on the PROS Sling, lower the hanger bar to a comfortable working height.
2. Raise bed rails and attach (see chart for guidance) straps on the opposite sides of the patient turn to loops on the same side of the hanger bar starting at the foot end.



3. As lift is raised, patient will turn towards the opposite side of the bed the straps are attached to. Use wedges to

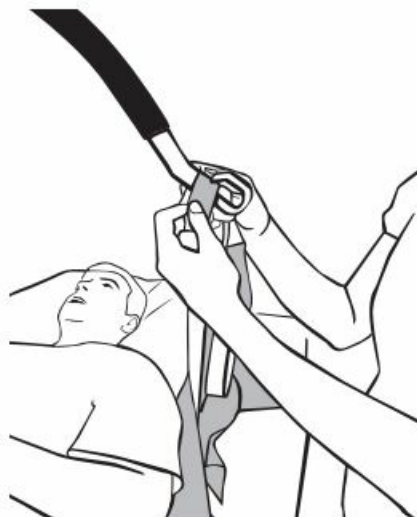
keep patient in position if desired. After the task is completed, lower hanger bar and remove sling straps.

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



INSTRUCTIONS FOR USE – HYGIENE TURN

1. With the patient centered on the PROS Sling, lower the hanger bar to a comfortable working height.
2. Raise the bed rails and attach the sling strap that is closest to the patient's shoulder to the hanger bar.

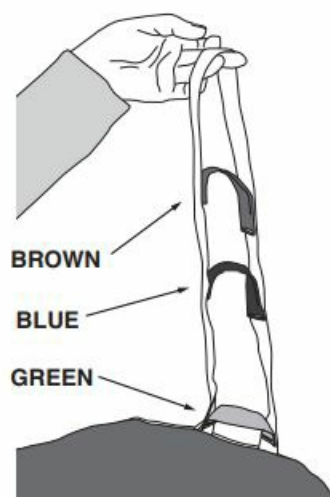


3. As lift is raised, patient will begin to turn to the side opposite the connected strap. Leave sling in place to perform task. Once task is completed, lower hanger bar and remove sling strap.



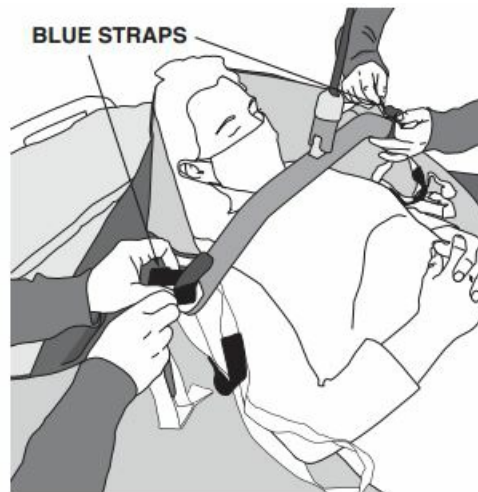
INSTRUCTIONS FOR USE – SEATED TRANSFER FROM BED

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.
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.



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

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

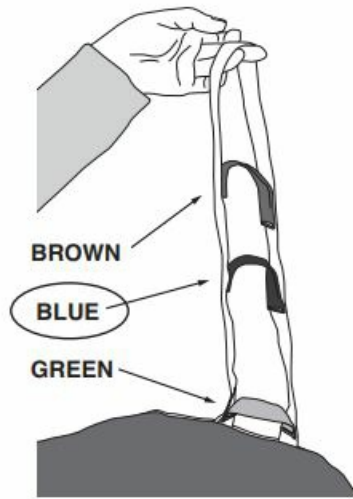


INSTRUCTIONS FOR USE – SEATED TRANSFER FROM CHAIR

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



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.
4. Fold the PROS Sling between the 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 it to the hanger bar. Transfer patient.



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 a bleach solution may discolor fabric.

- To help keep the PROS Sling clean, HoverTech recommends the use of the HoverCover™ 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.

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 isolated patient, the hospital should employ the same protocols/procedures it utilizes for the bed mattress in a patient's room.

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](tel: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://hoverninternational.com/standard-product-warranty/>

ABOUT COMPANY

- **HoverTech**

- 4482 Innovation Way
- Allentown, PA 18109
- www.HoverTechInternational.com
- 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.

- CEpartner4U, ESDOORNLAAN 13, 3951DB MAARN, THE NETHERLANDS.

www.cepartner4u.com

- **Etac Ltd.**

- Unit 60, Hartlebury Trading Estate, Hartlebury, Kidderminster,

- Worcestershire, DY10 4JB
- +44 121 561 2222
- www.etac.com/uk

- **TapMed Swiss AG**

- Gumprechtstrasse 33
- CH-6376 Emmetten
- CHRN-AR-20003070
- www.tapmed-swiss.ch

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

- 4482 Innovation Way
- Allentown, PA 18109
- 800.471.2776
- Fax 610.694.9601
- HoverTechInternational.com
- Info@HoverTechInternational.com

Frequently Asked Questions (FAQ)


- **What are the weight limits for the PROS Sling?**

The weight limit is 550 lbs (250 kg) for use as a slide sheet and 1000 lbs (454 kg) for use as a sling.



- **How should I care for the PROS Sling?**

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

Documents / Resources

	<p>HOWERTECH PROS Sling Patient Repositioning Off Loading System [pdf] User Manual PROS-SL-KIT, PROS-SL-CS, PROS Sling Patient Repositioning Off Loading System, PROS Sling, Patient Repositioning Off Loading System, Repositioning Off Loading System, Off Loading System, Loading System, System</p>
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References

- HT [HoverTech International | Elevate Your Standard Of Care](#)
-  [Medical Device CE marking - CEpartner4U](#)
- HT [HoverTech International | Elevate Your Standard Of Care](#)
-  [TapMed Swiss AG - TapMed Swiss AG](#)
- [User Manual](#)

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