

ROPOX™

BETTER WAYS TO BETTER DAYS

- A PART OF AddLife®



Domino Slings




User manual

This manual should always be in close proximity of the product


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1. Symbols used in this manual

Warning Symbol Indication of potentially hazardous situation. If not avoided it can result in serious injury or death.	
Caution Symbol Indication of potentially hazardous situation which may result in minor or moderate injury. It may also be used to alert against unsafe practices.	
Notification Symbol This symbol is used to notify correct use and handling of the product.	

2. General safety

	<p>This manual must be read and understood before use. Always keep this manual in close proximity of the product.</p> <p>The use, installation and service of this product must be in compliance with this manual to avoid accidents and serious personal injury.</p> <p>Never use or handle this product in other ways specified in this manual as it can result in personal safety hazards and/or cause damage to the product.</p> <p>Persons installing and/or using this product either as operator or user should have the necessary safety information and access to this manual.</p>
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Do not perform repairs, disassembly or assembly operations, add-ons, re-adjustments or modification of the product beyond what is described in this manual. These must be carried out by Ropox or Ropox authorized personnel. Do not perform service while in use.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Do not use the product if it has defects or have become damaged before being repaired or replaced.



The information in this manual is based on correct installation in accordance with installation instructions for this product.

Ropox cannot be held liable if the product is used in any way that differs from stated in this manual and/or installation instruction.

Ropox reserve the right to amend this manual and reference documents without prior notice.

2.1 Product Unit label

All slings are equipped with a “Quick-Guide” and “Facts-Label” on the reverse side. The “Quick-Guide” enables you to determine quickly what is up and down as well as in and out on the sling.

Furthermore, the safe load and washing instructions are also indicated.

It is also possible to write the name of the client or department on the sling and date when it was first taken into use.

On the “Facts-Label” is it easy to see which size, type/name and the time of production (year and quarter).

In general, there are two to four sizes of slings, small, medium, large and X-large.

The label is also used to determine the size to be used for a person based on the person’s height and weight. These indications are only intended as a guide as the individual anatomy of a client can result in another categorization of size.



3. General requirements

3.1 Product information

Manufacturer	Ropox A/S Ringstedgade 221, DK-4700 Naestved +45 55 75 05 00 Info@ropox.com			
Product models	Part number	Model	Configuration	UDI 57075810016RA
	25-48042	Active	M	
	25-48043		L	
	25-48022	Hygiene	M	
	25-48023		L	
	25-49011	Classic	S	
	25-49012		M	
	25-49013		L	
	25-43011	Thorax (with padding)	S	
	25-43012		M	
	25-43013		L	
	25-43014		XL	
	25-48012	Thorax (without padding)	M	
	25-48013		L	
Expected service life	2 years			
MDR Class 2017/745	Class I			
MDD Class 93/68/EEC				
Intended environments	This product is to be used only in: Professional Healthcare Environment Homecare Environment			
Maximum user weight according to DS/EN ISO 10535:2007	200kg			
Ambient temperature	5-40C° Operation and storage			
Materials in contact with patient	Sling		Polyester	

3.2 Product description

Domino slings are produced of a polyester material which gives strength and comfort. The material has an emery finish on the inside. This gives a cotton-like surface which ensures that the sling does not slide and at the same time is comfortable for the user. The material is fire-retardant.

3.3 Intended purpose

Domino slings can be used on Ropox All-in-One hoists. They find use in situations, where a patient is to be transferred from one stationary bed onto another. The product must not be used for patient transport.

3.4 Intended operator

Intended operator should be a health professional, educated in the proper use of such products, in addition to having read and understood these instructions for use. Children, patients, or lay people are not considered intended operators.

3.5 Contraindications

If the patient does not have the upper body strength to sit in the sling (with or without holding onto the handles), they have a higher risk of slipping out of the sling. This could lead to a fall.

3.6 Essential performance

The device does not have any function related to basic safety or essential performance.

3.7 Clinical functions

This product does not offer clinical benefit for patients, when used as intended by the manufacturer.

3.8 Complaints and adverse events

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is located.

In case of inquiries concerning slings, please state the following information:

Customer:

Sling model/size:


Sling number:

Year and month:

4. Instructions for use


4.1 Operating the product

It is important for the user to be familiar with the operation of the slings and its facilities, and that it works without problems. Therefore, in order to obtain optimum safety, this user Manual must be read carefully before use.

	<p>Caution!</p> <p>Try the lift on yourself, before you lift another person. Before use - Carry out a risk assessment to ensure that the correct size, type and shape of body-support unit are being used for the patient.</p>
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Before you start to lift a client go through the following check list:

1. Determine which sling type to use, depending on lifting situation e.g., from chair, bed, floor, toilet etc.
2. Determine proper sling size by using the guide- and facts labels which is on all slings.
3. Inspect selected sling for damage. Do not use the sling if damaged or worn. Special attention should be given to lifting straps.
4. Make sure you are familiar with the hoist you are going to use, and that it is working properly.

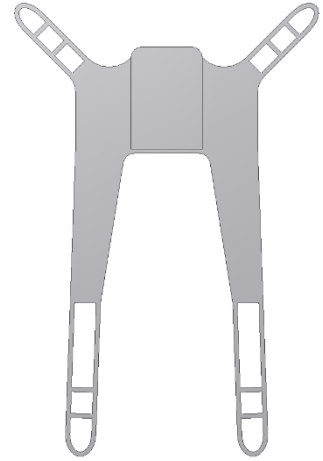
	<p>Caution!</p> <p>Be aware of any client apprehension towards the lift. Some people new to mechanical lifting may be quite uneasy or become distressed. Therefore, always inform the client that he/she is going to be lifted and about the procedure. Reassure the client during the transfer.</p>
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4.2 Models/Types

Domino Active, available in two sizes

Supports the body up to shoulder height.

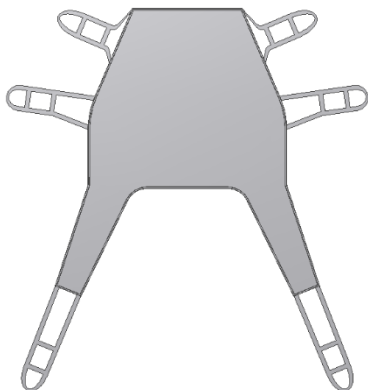
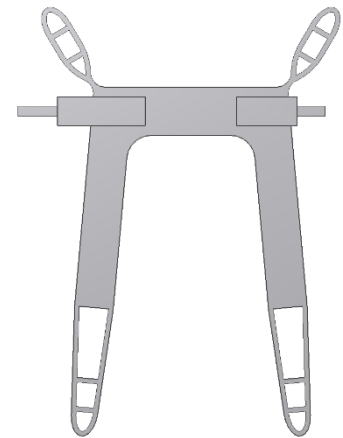
The slings provide easy fitting and good support for clients with some control of the upper part of the body.



Domino Hygiene, available in two sizes

These slings are with safety belt.

Designed for easy removal of clothing at toilet transfer.



Domino Classic, available in three sizes

Provides ultimate support and security.

Supports the whole body.

The sling is suitable for lifting from the floor.



Domino Thorax, available in four sizes

Only for stand-up hoist. Unique design and padding.

Provides optimum support for stand-up lifting. Can also be supplied without padding under the arms.







Warning!

All Domino slings can lift up to 200kg - If the client to be lifted exceeds this weight, do not use our standard slings.

4.3 Size guide for Domino slings

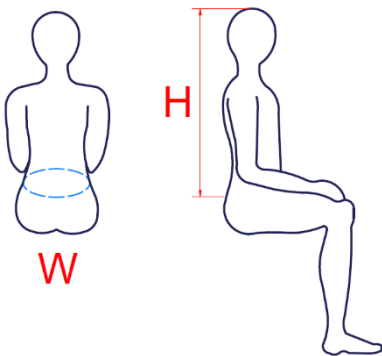
In choosing the correct sling to use, the “Facts-Label” on the sling can be used. Alternatively, the following instructions can be used. This section can also be used to determine which slings to choose, when acquiring the product. It’s recommended to use the Domino slings exclusively with the Ropox All-in-One hoist.

4.3.1 Size information

Type	Classic / Thorax (w/ padding)	All	All	Thorax (w/ padding)
Height	145 – 175cm	165 – 185cm	175 – 195cm	
Weight	40 – 60kg	60 – 80kg	80 – 100kg	>100kg
Size	 Small	 Medium	 Large	 X-Large

4.3.2 Dimensions for slings

Different slings come in up to four different sizes. For these, the waist size (W), or the back height (H), are provided in order to, together with height and weight, choose the best sling for the patient. The waist size is indicated as the **maximum size**. The dimensions are as follows:



Type	Size	W	H
Active	Medium	<i>See height and weight information</i>	
	Large		
Hygiene	Medium	110 cm	
	Large	125 cm	
Classic	Small		75 cm
	Medium		85 cm
	Large		95 cm
Thorax (w/ padding)	Small	70 cm	
	Medium	100 cm	
	Large	130 cm	
	X-Large	150 cm	
Thorax (w/o padding)	Medium	100 cm	
	Large	130 cm	

4.4 Slings used with Patient Hoist

In general, there are two different ways to perform a lift from bed, floor and chair depending on how and where the client is placed and positioned.

1. The client is supported from the waist up, either by raising the headrest of the bed, or raised and supported by you and a helper, or the client is in a sitting position in a chair. See page 11.
2. The client is resting in a complete flat position. See page 12.



Make sure all straps are securely fastened to the spreader bar hooks.



Warning!

For Patient Hoist: Please observe that when you start to lift or lower your client, the wheels on the hoist must be unlocked, and on the wheelchair, they must be locked.

4.5 Client is supported from the waist up or in a seated position

With the client in this position, where the upper part of the body is raised, you can use most of the Domino slings (*except Thorax, which is only used in combination with stand-up hoists*).

Domino Classic, Active & Hygiene slings

Choose one of the above-mentioned slings, the physical condition of the person to be lifted must be taken into consideration. There're no general guidelines, but use of Hygiene slings require that the patient has stability in their head and upper body.

1. Position the sling behind the back of your client with pull straps and labelling to the outside. Place the lower part of the back support as close to the base of the spine as possible.

Note! For Hygiene Slings Only
Position the lower part of the back at waist level.

2. Pull the leg straps downwards until they are straightened out.
3. Position each leg support under client's legs. Illustrated on page 13.
4. If a safety belt is used - this may now be gently fixed, do not tighten too firmly.
5. Move the spreader bar of the hoist above client's waist - and position each strap in the hooks. Use similar colored loops for the two leg supports and shoulder supports, respectively.
6. The client's arms **must**:
 - a. On the *Classic* sling always be placed inside the sling.
 - b. On the *Hygiene* sling always outside the sling.

On other slings, arms may be placed in either way - choose the most comfortable way.

7. Lift client slightly above surface - STOP - make sure that all straps are securely attached to the hooks of the spreader bar and if necessary, adjust the sling. Ensure the client is stable and doesn't tip over.
8. When you have checked that the sling is properly attached and your client is comfortable, you may complete the lift.

4.6 The client is resting in a complete straight position

With the client in this position, use the Domino Classic sling.

Domino Classic

1. Standing to one side of the client, fold the sling in half along the centre seam ensuring the labelling and pull straps are facing away from the client. Position the sling alongside the client.
2. Roll the client in a side resting position, with his back against the sling. Tuck the sling under the back placing the lowest part of the sling at or below the base of the spine. Now roll and tuck under the body the top half of the sling.
3. Roll the client on his back, aiming to have the centre seam of the sling in line with the spine.
4. Roll client on other side and unfold the sling and position it flat on the resting surface.
5. Return the client to their back.
6. Pull the leg straps downwards until they are straightened out.
7. Position the leg supports under client. Illustrated on page 13.
8. Move spreader bar of the hoist over the client - and position each strap in the hooks. Use same colored loop for the two leg supports and shoulder supports respectively.
9. Client's arms **must** on the Classic sling always be placed inside the sling.
10. Lift client slightly above the surface - STOP - make sure that all straps are securely attached to the hooks of the spreader bar and if necessary, adjust the sling. Ensure the client is stable and doesn't tip over.
11. When you have checked that the sling is properly attached and your client is comfortable, you may complete the lift.

4.7 Positioning of leg support

The crossover positioning of the leg supports is the most commonly used positioning. The position of the leg support should be as far up towards the hips as possible to achieve a safe and comfortable lift. This can be achieved by firmly pulling each leg support once it is passed under the leg.



4.8 Slings used with Stand-up hoist


Domino Thorax sling - only for transfer with stand-up hoist

1. Transfers with Stand-up hoist must only be performed on clients to and from sitting positions.
2. The Stand-up hoist should be braked during lifting and lowering.
3. Clients should not be dressed in slippery clothes or underwear.
4. Clients must be able to bear weight on at least one leg.

4.9 Transfer from chair

1. Apply Thorax lift sling firmly to very firmly around the waist/lower back of client.
2. Increase the width between the legs of the hoist and move it close up to chair.
3. Place the feet of the client on the standing platform.
4. Move the hoist so close to the client as possible and brake the hoist.
5. Adjust the knee support so that the kneepad is just below knees.
6. Lower the lifting arm.
7. Place the lifting straps in hooks of the fork shaped lifting bar. Client's arms can be inside or outside the sling, and they can hold on to the stand-up bar depending on their ability (not crucial to hold on if impossible to do).
8. Encourage the client to look up and lean back.

9. Lift the client a few centimetres above the seat - STOP - make sure that all straps are securely attached to the hooks on the lifting arm and if necessary, adjust the sling.
10. Bring the client into standing position. We recommend lifting the client 3/4 of the way i.e., with knees slightly bent. Support the client if necessary.
11. In order to prevent sling from riding up, the two lifting straps can be passed through an extension loop.

	<p>Warning!</p> <p><u>For Stand-up hoist:</u> Please observe that when you lift or lower your client the wheels on the hoist must be locked, and on the wheelchair they must be locked.</p>
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4.10 Color coding on the straps

The loops on the straps have color coding, which makes it easier to select the correct position. There are three different loops/colors options on the shoulder and leg straps, which allow the sitting position to be altered so that lift is as comfortable as possible. It is important that the same color code is used on both sides e.g. on the shoulder straps. It may differ between shoulder and leg straps.

The positions when using the three different colors are shown on the illustrations below. They are only intended as a guide, as the sitting angle is a combination of the adjustment of both the legs and shoulder strap loops and differs from client to client.



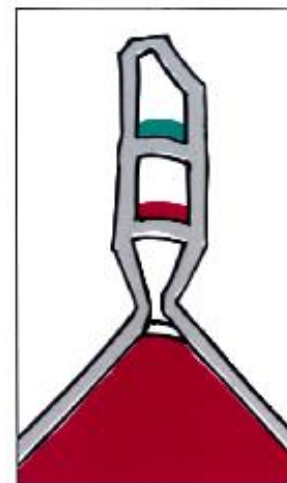
Grey - Reclining
Outermost suspension




Green – Semi reclining
Middle suspension



Red – Sitting upright
Innermost suspension



	<p>Warning!</p> <p>Always check the condition of the sling before use.</p>
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5. Cleaning

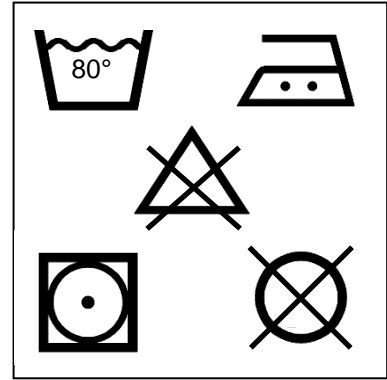
Wash the sling in warm water at up to 80° with a mild detergent, never use solvents.


Ensure that any cleaning agents are removed by rinsing thoroughly in warm water.

Drying is best done naturally at room temperature. It takes about an hour.


Drying can also be done in tumble dryer at low warmth.

Wash separately the first time to avoid discoloration.



	<p>Notification!</p> <p>Do not use cleaning agents containing abrasive e.g. scouring powder, steel wool, scouring sponge.</p> <p>This product is <u>not</u> designed to be sterilized, autoclaving and sterilization beyond normal cleaning as this may possibly change the product safety and function.</p>
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6. Maintenance

	<p>Notification!</p> <p>Failing to comply with periodic maintenance may result of degrading of product function and safety.</p>
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6.1 Periodic maintenance

Domino slings should be checked for signs of wear or fatigue before each use. Special attention should be given to the loops on the lifting straps and the stitching at the junction between lifting strap and the sling.

A damaged or worn sling should not be used. Even minor damage can quickly become worse, and a dangerous situation can occur. Therefore, is it important to check the sling before a lifting job.

If there is any doubt, take the sling aside for a closer inspection

A detailed and overall visual inspection of the slings should be carried out on a regular basis, preferably every month.


6.2 Daily maintenance

- Check for wear and that the seams are intact and not frayed. A worn sling must be replaced.
- Check that the slings are clean, if not, have them washed.

6.3 Monthly maintenance

The conditions mentioned below are potentially dangerous and must lead to instant discontinuing use of the product:

- Cuts, holes, or burns in the webbing
- Chemical attack
- Broken or worn stitch patterns
- Abrasion
- Buckling of the locking/unlocking mechanism

	<p>Warning!</p> <p>If in doubt about the condition of a sling, do not use it.</p>
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7. Storage

Do not store or place Domino Slings in strong and direct sunlight or in excessive heat or humidity, as this can shorten the lifetime of Domino Slings.

The best way to store Domino Slings is simply to hang them in the straps on a wall-mounted hook. Do not fold Domino Slings in the foam-padded sections.

8. Environmental protection

The product is not intended to be disposed as municipal waste. Proper disassembly, sorting and disposal of components must be done by waste disposal professionals.

