

# Passive Slings



## user manual

### Passive Slings

This user manual applies to the following sling models

#### Standard Slings

Regular Sling  
Regular Sling without stiffeners  
Comfort Regular Sling

#### In Situ Slings

VIP In Situ Sling (with additional fixation)  
In Situ Sling without stiffeners  
Superfine In Situ Sling

Seamless In Situ Sling  
Longseat In Situ Sling  
Delphin In Situ Sling  
Comfort In Situ Sling



**Warning!** Read the entire instruction before using the product. The sling must be used by a demonstrably competent healthcare provider with adequate knowledge of the actions to be performed. If you have any questions about use or application, please contact the supplier before use.

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**VERSION**

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## **1. Intended use**

This manual applies to JOYinCARE slings. A sling is a non-rigid body support intended for short-term lifting and/or moving of a patient with limited mobility in combination with a personal hoist. Use of a sling is intended for lifting only one person per transfer. If the sling is supplied with stiffeners, these must be used during the transfer. Unless stated otherwise, the sling label always indicates the outside of the sling.

The passive slings are designed to fully support the patient during the transfer in combination with a passive hoist. The slings are suitable for patients with mobility classes D and E.

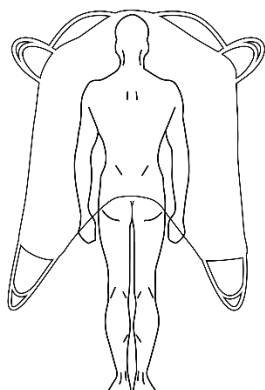
## **2. Definitions**

The following definitions are used in this manual:

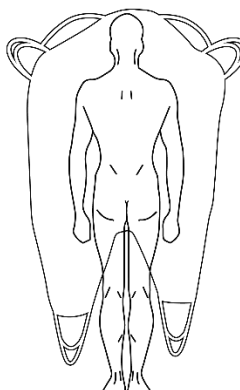
**Regular Sling:** a sling that is applied from crown to tailbone and frees the patient's seat. This makes these slings easy to apply and remove from the chair.

**In Situ Sling:** a sling that supports the entire body and runs under the seat. Because this sling must be applied below the tailbone, the sling can only be applied and removed in a lying position.

**Applying Regular Slings**



**Applying In Situ Slings**



## **3. Certification**

This sling, supplied by JOYinCARE, is a medical device (class I) and is manufactured and tested according to NEN-EN-ISO 10535. The sling complies with MDR Regulation (EU) 2017/745 and has a CE marking applied to the label of the sling. Adjustments and repairs to the sling may only be carried out by the manufacturer.



Any serious incident related to the device, regardless of the cause, must be reported as soon as possible to both the manufacturer and the Healthcare and Youth Inspectorate (IGJ) in accordance with MDR Regulation (EU) 2017/745. A serious incident occurs when an incident directly or indirectly led or could have led to:

1. The death of a patient, user or other person,
2. A temporary or permanent serious deterioration in the health condition of a patient, user or other person,
3. A serious threat to public health.

#### 4. Maximum carrying weight

The passive slings are suitable for lifting patients up to 200 kg. Slings in size 3XL, suitable for obese patients, can be loaded up to a maximum of 350 kg. Custom-made slings may be an exception.



Before using the sling, also check the maximum lifting weight of the hoist and the spreader bar to be used. If the hoist or spreader bar has a lower maximum lifting weight than the sling, you must adhere to the maximum lifting weight.

#### 5. Sling sizes

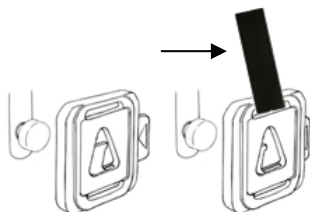
The suitable size can be determined based on the sling measurement chart. However, every situation remains unique. If you have any questions or doubts and for obese patients over 200 kg, always contact JOYinCARE. Regularly evaluate whether the dimensions of the sling suit the patient and in any case after any physical change in the patient.

cm \ kg	0 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	50 - 60	60 - 70	70 - 80	80 - 90	90 - 100	100 - 110	110 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 350
0 - 100	XXS	XS	XS	XS															
100 - 110		XS	XS	XS															
110 - 115		XS	XS	XS															
115 - 120		XS	XS		S	S													
120 - 125		XS	XS		S	S	S												
125 - 130					S	S	S												
130 - 135					S	S	S												
135 - 140					S	S	S	M	M										
140 - 145					S	S		M	M										
145 - 150						M	M	M	L	L									
150 - 155						M	M	M	L	L					XXL	XXL	XXL	3XL	JIC
155 - 160						M	M	M	L	L	LL	LL	LL	LL	XXL	XXL	XXL	3XL	JIC
160 - 165						M	M		L	L	LL	LL	LL	LL	XXL	XXL		3XL	JIC
165 - 170							L	L	L	L	LL	LL	LL	LL	XXL	XXL	3XL	3XL	JIC
170 - 175							L	L	L	L		XL	XL	XL	XXL	XXL	3XL	3XL	JIC
175 - 180							L	L	L	L		XL	XL	XL	XXL	XXL	3XL	3XL	JIC
180 - 185							L	L	L			XL	XL	XL	XXL	XXL	3XL	3XL	JIC
185 - 190										XL	XL	XL	XL	XL	XXL	XXL	3XL	3XL	JIC
190 - 195										XL	XL	XL	XL	XL	XXL	XXL	3XL	3XL	JIC
195 - 200										XL	XL	XL	XL	XL	XXL	XXL	3XL	3XL	JIC

#### 6. Sling attachment

A sling can only be attached to the spreader bar of a passenger hoist using Careclips or loops. Before use, check all clips or loops for abnormalities or defects. If any defects are found or in case of any doubts, immediately put the sling out of use.

##### 6.1 By means of clips



Applying the Careclip: Make sure that the tension is completely released from the clip. Press the slider on the side of the clip completely and place the opening that is now created completely over the stud of the spreader bar. Release the slider. The slider closes the clip and the clip is therefore safely secured to the stud of the spreader bar. Always attach the shoulder clips first and then the leg clips.

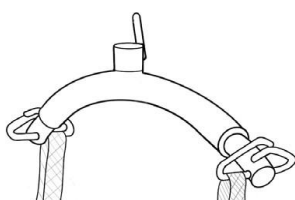
Removing the Careclip: Ensure that the patient's weight is fully supported by the underlying surface and the tension is completely released from the clip before removing the clip. Press the slider fully and lift the clip completely over the stud. First remove the leg clips and then the shoulder clips.



Before lifting, always check that all clips are properly installed by visually checking the attachment and pulling on the clip **handle** (see arrow). Raise the spreader bar slightly until there is tension on the sling and check the clips again. Do not lift the patient further until all clips have been properly checked.

**Compliance:** The Careclip is a universal safety clip that can be safely used in combination with a hoist with the following specifications. The hoist must be equipped with studs with a diameter of 6.8 mm to 8.2 mm. For safe use of the sling, the hoist used must also be manufactured in accordance with NEN-EN-ISO 10535. If you have any questions about compatibility, always contact JOYinCARE before using the combination.

## 6.2 By means of loops



**Attaching the loops:** Make sure the tension is completely released from the loop. Hang the loop over the hook of the spreader bar. Cross the leg loops by intertwining them (do not cross with a Longseat verblijfsband). Do not cross the shoulder loops and use the same length for both shoulder loops and the same length for both divided leg parts. Attach the shoulder loops first and then the leg loops.

**Removing the loops:** Ensure that the patient's weight is fully supported by the underlying surface and the tension is completely off the loop before removing the loop. Lift the loops over the hooks of the lifting arm. First remove the leg loops and then the shoulder loops.



Before lifting, always check that all loops are properly installed by visually checking the attachment and pulling on the loop. Raise the spreader bar slightly until there is tension on the sling and check the loops again. Do not lift the patient further until all loops have been properly checked.

**Compliance:** The loops on the slings supplied by JOYinCARE can be safely used in combination with any hoist equipped with a spreader bar with loop suspension. For safe use of the sling, the hoist used must also be manufactured in accordance with NEN-EN-ISO 10535. If you have any questions about compatibility, always contact JOYinCARE before using the combination.



A sling with clips and loops requires extra attention when attaching the sling. Only apply the clips to a spreader bar with studs and loops to a spreader bar with hooks. Improper application of the attachment method can cause the sling to become loose and lead to serious injury.

## 7. Regular Slings

JOYinCARE has an extensive range of slings, tailored to the specific need, indication and application. A well-considered choice must be made to indicate the correct type of sling. For the definition of the Regular Sling, see Chapter 2.

### 7.1 Regular Sling models

This chapter applies to the following models of the Regular Sling:



### Regular Sling

- Material versions: Polyester, Polyester net blue, Superfine net, Coolplus
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

A Regular Sling is intended for bath, shower and/or short-term use and is equipped with an active headrest with stiffeners. The Regular Sling (polyester) is suitable for general and short-term use. The Regular Sling (polyester net blue) is made of mesh fabric and is suitable for use in the shower or bath due to the quick-drying material. The Regular Sling (superfine net) is made of extra thin mesh fabric with short leg padding, suitable for use in combination with close-fitting orthoses. The Regular Sling (coolplus) has a cooling effect on the body due to the ventilating material and is only available with Careclips for 4-point spreader bar with clip suspension.



### Regular Sling without stiffeners

- Material versions: Polyester net blue
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

The Regular Sling without stiffeners has a continuous headrest (model of a Longseat In Situ Sling) and the model of a Standard Sling at the bottom. The headrest is not equipped with stiffeners and can therefore also be used for patients where the use of stiffeners is difficult or uncomfortable. The sling can be applied and removed in a sitting or lying position. The sling is not suitable for patients with insufficient head balance.



### Comfort Regular Sling

- Material versions: Polyester net blue
- Suspension:
- Loops for 2-point spreader bar with loop suspension

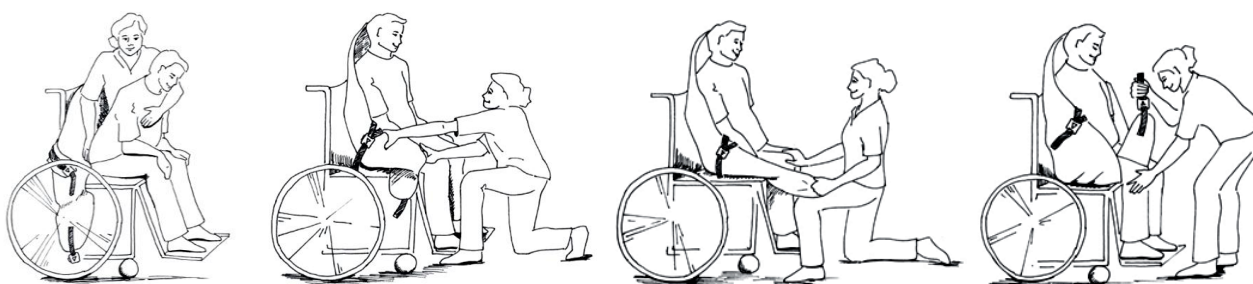
This sling with the model of a Regular Sling at the bottom is intended for bath, shower and/or short-term use and is equipped with an active headrest with adjustable headrest straps. The sling is suitable for general use and made of quick-drying mesh fabric.



## 7.2 Applying in sitting position

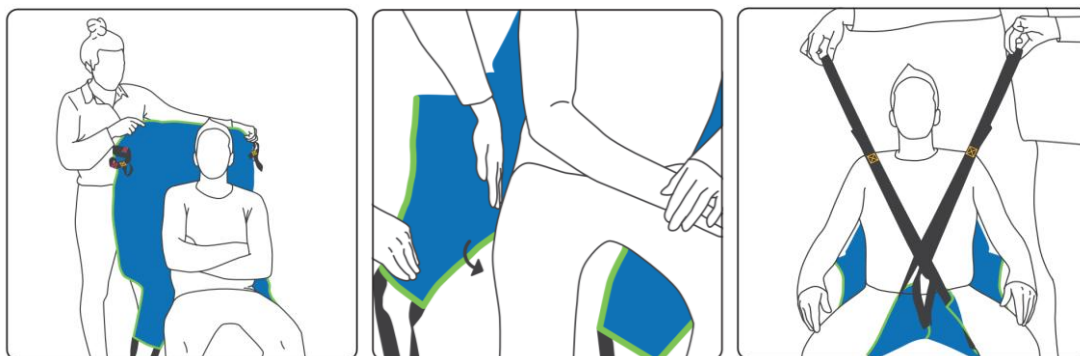
**A)** Intended for lifting with the Regular Sling and Regular Sling without stiffeners.

1. Place the stiffeners in the headrest.
2. Have the patient bend slightly forward and bring the sling behind the patient up to the (wheel)chair seat.
3. Pull the divided leg parts forward along the legs.
4. Pull the sling up to the patient's tailbone by pulling on the divided leg part with one hand and pushing against the knee with the other hand.
5. Pass the divided leg parts from the outside inwards under the thighs.
6. For a sling with loops: cross the loops of the divided leg parts through the first loop.
7. Attach the sling to the spreader bar.
8. Check if all clips or loops are properly secured.
9. Remove the stiffeners when the transfer is complete.



**B)** Intended for lifting with the Comfort Regular Sling.

1. Have the patient bend slightly forward and bring the sling behind the patient up to the (wheel)chair seat. The red stitching indicates the centre of the sling.
2. Pull the divided leg parts forward along the legs.
3. Pull the sling up to the patient's tailbone by pulling on the divided leg part with one hand and pushing against the knee with the other hand.
4. Pass the divided leg parts from the outside inwards under the thighs. Cross the loops of the leg briefs through the first loop.
5. Attach the sling to the spreader bar and adjust both head support straps as desired.
6. Check if all loops are securely fastened.

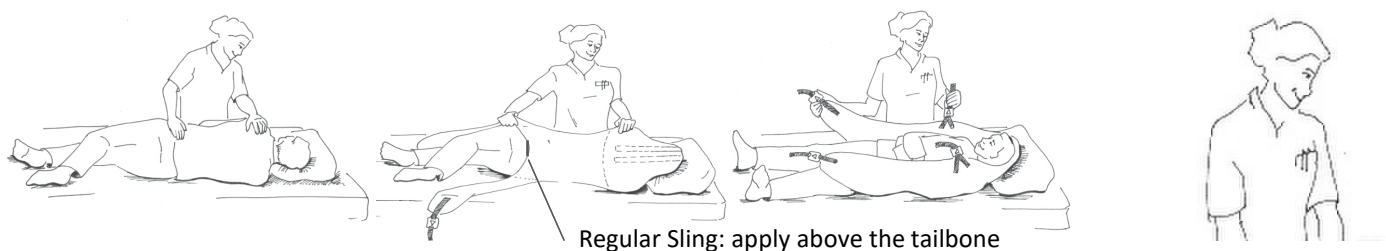


The grey head support straps are not a load-bearing part of the sling and are therefore not intended for attaching the sling to the spreader bar. Make sure that the headrest straps are always adjusted in such a way that the head receives sufficient support.

### 7.3. Applying sling in lying position

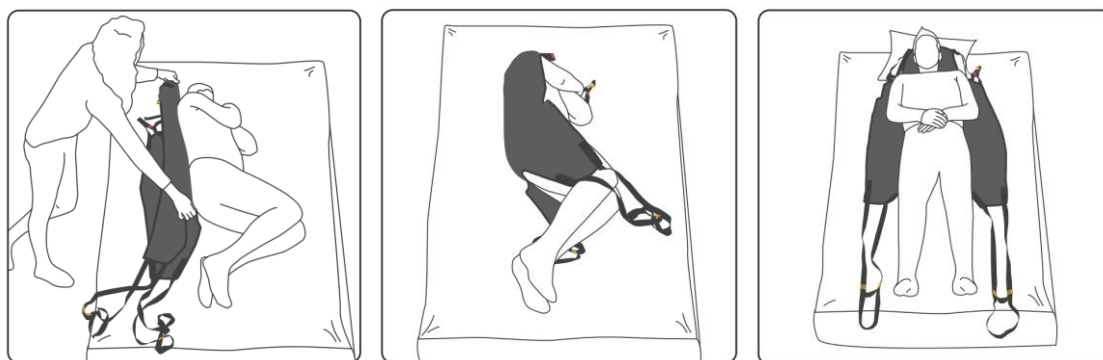
A) Intended for lifting with the Regular Sling and Regular Sling without stiffeners.

1. Place the stiffeners in the headrest.
2. Turn the patient onto his/her side. Place the sling behind the patient.
3. Apply from crown to tailbone. Then bring the divided leg part and shoulder point under the patient and push the sling a little under the body.
4. Turn the patient back onto the sling. Pull the divided leg part and shoulder point out from under the patient. If necessary, turn the patient a little further.
5. Pass the divided leg parts under the thighs one by one. If the sling has loops; always cross the loops of the divided leg parts by intertwining the first loops of the divided leg parts.
6. Attach the sling to the spreader bar.
7. Check if all clips or loops are properly secured.
8. Remove the stiffeners when the transfer is complete.



B) Intended for lifting with the Comfort Regular Sling.

1. Turn the patient onto his/her side. Place the sling behind the patient.
2. Apply from crown to tailbone.
3. Then bring the divided leg part and shoulder point under the patient and push the sling a little under the body. The red stitching indicates the centre of the sling.
4. Turn the patient back onto the sling. Pull the divided leg part and shoulder point out from under the patient. If necessary, turn the patient a little further.
5. Pass the divided leg parts under the thighs one by one. Always cross the loops of the divided leg parts by intertwining the first loops of the divided leg parts.
6. Attach the sling to the spreader bar and adjust both head support straps as desired.
7. Check if all loops are securely fastened.
8. Ensure that the patient's head is fully supported by the headrest during the upward movement and the top edge of the headrest is located at the crown of the head.



The grey head support straps are not a load-bearing part of the sling and are therefore not intended for attaching the sling to the spreader bar. Make sure that the headrest straps are always adjusted in such a way that the head receives sufficient support.

## 8. In Situ Sling

JOYinCARE has an extensive range of slings, tailored to the specific need, indication and application. A well-considered choice must be made to indicate the correct type of sling. For the definition of an In Situ Sling, see Chapter 2.

### 8.1 In Situ Slings models

This chapter applies to the following models of the In Situ Sling:



#### VIP In Situ Sling (with additional fixation)

- Material versions: Recycled polyester, Bamboo black, Bamboo jeans, Polyester net black, Coolplus, Spacer
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

The VIP In Situ Sling (bamboo black/jeans or recycled polyester) is suitable for general use. The VIP In Situ Sling polyester net is made of black net fabric for use in the shower or bath. The VIP In Situ Sling Coolplus has a cooling effect on the body due to its ventilating material. These slings can be safely used for patients with a leg amputation. The slings can only be applied and removed in a lying position.

The VIP In Situ Sling with additional fixation is equipped with fixation options. These ensure that the patient cannot move forward in relation to the sling and is less able to spread, pull up and/or stretch his/her legs. The Spacer material has a pressure-distributing and ventilating effect.



#### In Situ Sling without stiffeners

- Material versions: Bamboo jeans
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

This In Situ Sling has a straight top (model of a Longseat In Situ Sling) and the model of an In Situ Sling at the bottom. The continuous headrest is not equipped with stiffeners. The sling is therefore not suitable for patients with insufficient head balance. The sling can only be applied and removed in a lying position.



#### Superfine In Situ Sling

- Material versions: Superfine net
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

This In Situ Sling is equipped with an amputation insert, which creates a closed space between the divided leg parts. This makes the sling safe to use for patients with a leg amputation. The sling is made of extra thin mesh fabric with short leg padding, very suitable for use in combination with close-fitting orthoses. The sling can only be applied and removed in a lying position.





### Seamless In Situ Sling

- Material versions: Bamboo black
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

This In Situ Sling has an extended back panel that extends completely under the seat and therefore has relatively shorter and wider divided leg parts. The sling has no seams at the seat, back and shoulders, making it suitable for patients with sensitive skin who experience discomfort from seams. The sling can only be applied and removed in a lying position.



### Longseat In Situ Sling

- Material versions: Bamboo jeans, Bamboo black, Polyester net black
- Suspension:
- Careclips for 4-point spreader bar with clip suspension (always in combination with widening bar)
  - Loops for 2- or 4-point spreader bar with loop suspension

This In Situ Sling has a rectangular model, without divided leg parts and stiffeners. The sling runs under the seat and can only be placed or removed in a lying position. The sling is comfortable for people with a leg amputation, very sensitive thighs or contractures. When used on a 4-point spreader bar with clip suspension, an widening bar must be used. The sling is not suitable for patients with insufficient head balance.



### Delphin In Situ Sling

- Material versions: Bamboo black
- Suspension:
- Careclips for 4-point spreader bar with clip suspension
  - Loops for 2- or 4-point spreader bar with loop suspension

This In Situ Sling consists of an oval and continuous model with integrated divided leg parts and has no seams at the seat, back and shoulders. The integrated divided leg parts have wide padding and the suspension points are located in the middle of the belt. This makes the sling suitable for use on patients where normal divided leg parts cause too much pressure on the inside and bottom of the legs.



### Comfort In Situ Sling

- Material versions: Recycled polyester, Polyester net black
- Suspension:
- Loops for 2-point spreader bar with loop suspension

This In Situ Sling is intended for general use and suitable to remain on during the day. The sling is equipped with an active headrest with adjustable headrest straps. The slings can only be applied and removed in a lying position. The Comfort In Situ Sling (recycled polyester) is made of a thin, comfortable fabric in anthracite colour. The Comfort In Situ Sling (polyester net black) is made of black, quick-drying net fabric for use in the shower or bath.



## 8.2. Applying sling in lying position

**A)** Intended for lifting with the VIP In Situ Sling, In Situ Sling without stiffeners, Superfine In Situ Sling, Seamless In Situ Sling, Longseat In Situ Sling and Delphin In Situ Sling.

1. If applicable, insert the stiffeners into the headrest.
2. Turn the patient onto his/her side. Place the sling behind the patient. Apply over the tailbone. Then bring the divided leg part and shoulder point under the patient and push the sling a little under the body. In the case of a Longseat In Situ Sling; Apply from the back of the head to the back of the knee.
3. Turn the patient back onto the sling. Pull the divided leg part and shoulder point out from under the patient. If necessary, turn the patient a little further.
4. Pass the divided leg parts under the thighs one by one. If the sling has loops; always cross the loops of the divided leg parts by intertwining the first loops of the divided leg parts. Do not cross the loops of a Longseat In Situ Sling.
5. Attach the sling to the spreader bar.
6. Check if all clips or loops are properly secured.
7. Remove the stiffeners when the transfer is complete.



**B)** Intended for lifting with the VIP In Situ Sling with additional fixation

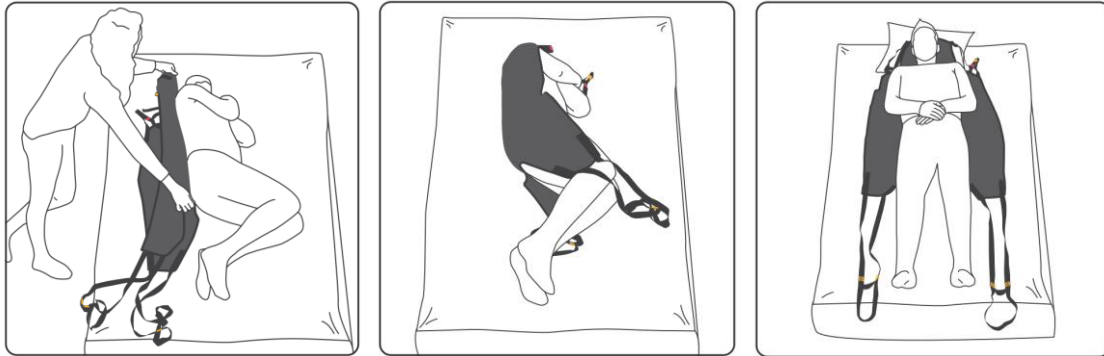
Use of the extra fixation options is not mandatory, but can be applied based on the patient's needs. If the fixation is applied as an individual adaptation to another sling model: apply as described for the respective sling, follow the steps below for the fixation options.

1. Apply the sling in a lying position under the patient, as described in section 8.2A.
2. Close the abdominal fixation and tighten as needed.
3. To ensure that the legs can be spread less: Pass the right leg part through the leg strap attached to the left leg part.
4. To ensure that the legs can be less easily pulled up: Pull the leg loop of each leg part over the patient's thigh and apply over the loops/clips of the leg parts.
5. Attach the sling to the spreader bar and adjust both head support straps as required.
6. Check if all clips or loops are properly secured and complete the transfer.

**C)** Intended for lifting with the Comfort In Situ Sling.

1. Turn the patient onto his/her side. Place the sling behind the patient.
2. Apply over the tailbone.
3. Then bring the divided leg part and shoulder point under the patient and push the sling a little under the body. The red stitching indicates the centre of the sling.
4. Turn the patient back onto the sling. Pull the divided leg part and shoulder point out from under the patient. If necessary, turn the patient a little further.
5. Pass the divided leg parts under the thighs one by one. Always cross the loops of the divided leg parts by intertwining the first loops of the divided leg parts.
6. Attach the sling to the spreader bar and adjust both head support straps as desired.

7. Check if all loops are securely fastened.
8. Ensure that the patient's head is fully supported by the headrest during the upward movement and the top edge of the headrest is located at the crown of the head.



The grey head support straps are not a load-bearing part of the sling and are therefore not intended for attaching the sling to the spreader bar. Make sure that the headrest straps are always adjusted in such a way that the head receives sufficient support.

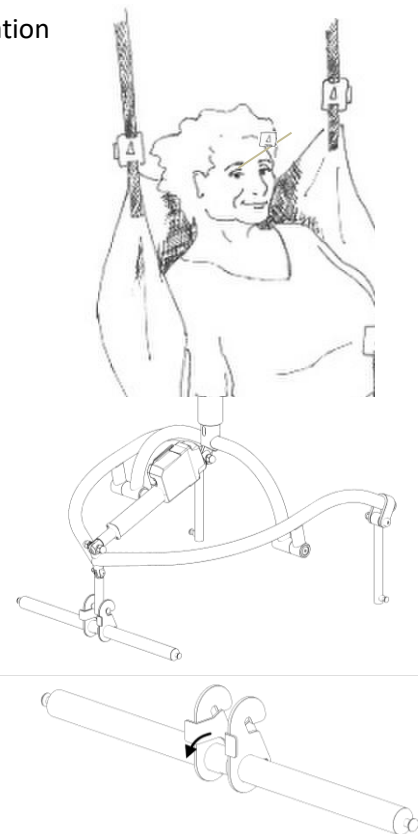
### 8.3 Lifting with widening bar

Intended for the use of a Longseat In Situ Sling with clips, in combination with the widening bar and 4-point spreader bar.

- 1) Attach the clips of the widening bar to the leg attachment points of the 4-point spreader bar. See the instructions for use below.
- 2) Apply the Longseat In Situ Sling as described in the user manual of the sling.
- 3) Attach the clips at the shoulders to the spreader bar and the clips at the legs to the attachment points of the widening bar.
- 4) Check that all clips of both the sling and widening bar are securely fastened.

Attach the clips of the widening bar to the leg attachment points of the 4-point spreader bar by pushing down the orange bracket and placing the clips over the studs.

After use, the widening bar of the 4-point spreader bar can be removed by pushing down the orange bracket and removing the clips from the studs.



The widening bar of JOYinCARE is only suitable for a Longseat In Situ Sling with safety clips from JOYinCARE in combination with a hoist with 4-point spreader bar from JOYinCARE.

To prevent corrosion, the widening bar should not be used in the water/swimming pool. If corrosion occurs, the widening bar should be taken out of use.

The widening bar can be loaded to a maximum of 200 kg.

## **9. Maintenance instructions**

The expected lifespan of the slings is at least 2 years with normal use and maintenance as prescribed in the manual and on the label. Adjustments or repairs other than those carried out by the manufacturer will result in a sling being rejected upon inspection.

Washing instructions for the sling:

- Before washing each sling, check the washing instructions stated on the sling label.
- Remove plastic stiffeners from the sling before washing.
- Avoid mechanical pressure such as rolling, wringing, pulling or pressing during the washing and drying procedure. This can damage parts of the sling.
- Do not wash slings above 60°C. Do not use detergent or cleaning products containing solvents or bleach. To preserve the sling, it is better to wash the sling in a laundry bag.
- Do not iron slings and do not use a dryer.

## **10. Inspection**

Before each use, check the sling, clips or loops for tears, deviating parts, (burn) holes, loose stitching, dirt or discolouration due to bleaching and the readability of the label.

In addition to the checks before each use, the sling must be inspected at least once a year. This inspection is mandatory and should be performed by demonstrably qualified personnel. Both the inspection and the checks before use must be recorded on the sling logbook. The sling logbook can be requested from the dealer.

Labels or tags for inspection or use purposes may only be attached to the handle of the Careclip. This handle is attached to the end of the clip and is not a load-bearing part of the sling. For a sling with loops, this is permitted at the intermediate piece of the middle loop.



Check each sling before each use. It is recommended to complete the sling logbook after each wash or at least once a month. If any defects are found or in case of any doubts, immediately put the sling out of use.

## **11. Recycling**

At the end of its life, the sling must be recycled properly. Therefore, return the sling to the relevant aid supplier or manufacturer. JOYinCARE ensures the correct processing of the product.

## 12. Sling label



Consult the instructions for use



Normal wash at a maximum of 60 degrees



Warning



Do not bleach with chlorine bleach



CE marking  
Regulation (EU) 2017/745 Medical devices class I



Do not use a dryer



Medical device



Do not iron



Supplier / distributor



Manufacturer



Batch number



Serial Number



Do not dry clean

## 13. Applying a name tag

A name tag may only be applied after delivery of the sling in the following ways:

- Write the patient's name with a permanent marker on the label on the outside of the sling. Only permitted in the intended frame or in the middle of the stiffener case.
- Iron a name tag onto the label on the outside of the sling using a single-sided heat source (such as an iron). Only permitted in the intended frame or in the middle of the stiffener case. Please send a sample to manufacturer Confexion to check whether it has been applied safely, after which other slings can be provided with an ironed name tag in accordance with this model.
- Iron or sew a name tag to the clip handle. This handle is attached to the end of the clip and is not a load-bearing part of the sling.



Writing on the sling, other than on the label or stiffener case, can damage the fabric and thread and is therefore not permitted. If any written text or marking is found in a place other than the label, the sling will be rejected.

## 14. Warranty

Each sling supplied is covered by a warranty of 2 years and/or 200 washes based on the warranty provisions, calculated from the date of purchase. Excluded from this warranty are normal wear and tear of the product, as well as damage resulting from incorrect use. For improvements, comments and recommendations, please contact the supplier.



[www.joyincare.com](http://www.joyincare.com)

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