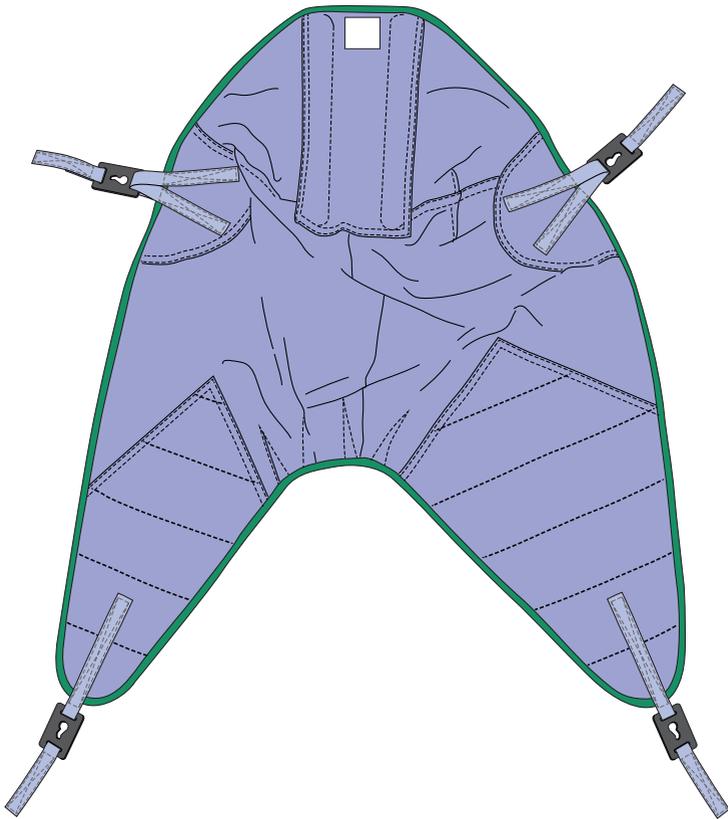


INSTRUCTIONS FOR USE

# Amputee Slings



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## WARNING



To avoid injury, always read this Instructions for Use and accompanied documents before using the product. Mandatory to read the Instructions for Use.

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# Foreword

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**Thank you for purchasing Arjo equipment. Please read this *Instructions For Use (IFU)* thoroughly!**

Arjo will not be held responsible for any accidents, incidents or lack of performance that occur as a result of any unauthorized modification to its products.

## Customer Support

If you require further information, please contact your local Arjo representative. The contact information is located at the end of this *IFU*.

## Definitions in this IFU

### WARNING

Means: Safety warning. Failure to understand and obey this warning may result in injury to you or to others.

### CAUTION

Means: Failure to follow these instructions may cause damage to all or parts of the system or equipment.

### NOTE

Means: This is important information for the correct use of this system or equipment.

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# Pre-sale Information

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General	
Intended use, the intended user group and the intended environment; including any contraindications	See "Intended Use" on page 4
Expected lifetime of the product	See "Intended Use" on page 4
Maximum user mass	See "Sling Selection" on page 9
Sizing	See "Select Sling Size" on page 7
Compatible products	See "Allowed Combinations" on page 9
Name and address of the manufacturer	See back page

### NOTE

Any organization that purchases hoists and body-support units shall make sure, that the combination(s) are safe either by requiring compatibility documentation for the combination(s) from the manufacturer(s) or by performing compatibility testing themselves hereby transferring the responsibility for a safe combination to the organization.

# Intended Use

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The Amputee sling is a product intended for assisted transfer of single and double amputee patients/residents with limited ability to move. The Amputee sling should be used together with Arjo lift devices in accordance with the Allowed Combinations specified in the Instructions for Use (IFU).

Products made of Mesh materials are intended to be used when bathing.

Products made of Mesh materials are suitable to be seated on for a period of time between transfers.

Sling model MAA2091M enables toileting.

The Amputee sling shall only be used by appropriately trained caregivers with adequate knowledge of the care environment, and in accordance with the instructions outlined in the Instructions for Use.

The Amputee sling is intended to be used in hospital environments, nursing homes, other healthcare facilities and home care.

The Amputee sling should only be used for the purpose specified in this Instructions for Use. Any other use is prohibited.

## Patient/Resident Assessment

We recommend that facilities establish regular assessment routines. Caregivers should assess each resident/patient according to the following criteria prior to use:

- Patient/resident sits in wheelchair
- Has no capacity to support herself/himself at all
- Cannot stand unsupported and is not able to bear weight, not even partially
- Dependent on caregiver in most situations
- Physically demanding for caregiver
- Stimulation of remaining abilities is very important

Or, for a patient/resident who:

- Is passive
- Might be almost completely bed ridden
- Often stiff or contracted joints
- Totally dependent on the caregiver
- Physically demanding for caregiver
- Stimulation and activation is not a primary goal

Safe Working Load (SWL) for Amputee sling:

- MAA2050M, MAA2080M: 190 kg (418 lbs);
- MAA2090M, MAA2091M, MAA4040M, MAA4070M, MAA4080M, MLA7000, MAA7090M: 272 kg (600 lbs).

The right type and size of slings should be used after proper assessment of each resident's size, condition and the type of lifting situation.

If the patient/resident does not meet these criteria an alternative equipment/system shall be used.

## Expected Service Life

The expected service life of Amputee sling is the maximum period of useful life.

The expected life of the sling is dependent on the actual use conditions. Therefore, before use, always make sure that the sling does not show signs of fraying, tearing or other damage and that there is no damage (i.e. cracking, bending, breaking). If any such damage is observed, do not use the sling. If you have any doubts about sling safety, as a precaution and to ensure safety, do not use the sling.

The expected service life of the Amputee slings:

- Service Time:
  - Sling models MAA2050M and MAA2080M 1,5 years (Amputee sling)
  - 2 years for slings made of all other materials;
- Shelf Time:
  - 5 years.

# Safety Instructions

## WARNING

To avoid injury, make sure that the patient is not left unattended at any time.

## WARNING

To avoid injury, always assess the patient prior to use.

## WARNING

To avoid falling, make sure that the user weight is lower than the safe working load for all products or accessories being used.

## WARNING

To avoid injury, never let the patient smoke when using the sling. The sling can catch on fire.

## WARNING

To avoid injury, only store the equipment for a short period of time. If stored longer than stated in the *IFU*, it can cause weakness and breakage in the material.

## WARNING

To avoid injury, keep the equipment away from sun/UV-light. Exposure to sun/UV-light can weaken the material.

## WARNING

These warnings are specific to the sling model MAA2080M and MAA2050M:

Patients sat out in a chair are at an increased risk of pressure injury development, due to high interface pressures concentrated over a small surface area when compared to lying in bed. An individualised skin and holistic assessment of the patient should be undertaken, before deciding on whether a sling should be left under a patient for any period of time.

If the decision is to have the patient sit on the sling for any time period between transfers then an appropriate care plan must be established and should include regular skin inspection, paying particular attention to pressure points and frequent repositioning intervals which should be documented and based on the individuals level of risk for pressure injury development.

Consideration should also be given by the clinician as to any specific pressure relieving or redistribution surface that the patient/resident is sitting on and make sure that the sling is correctly positioned and adjusted (removing loops and clips clear of the seated patient) to make sure the sling does not affect the efficacy of the seat or cushion.

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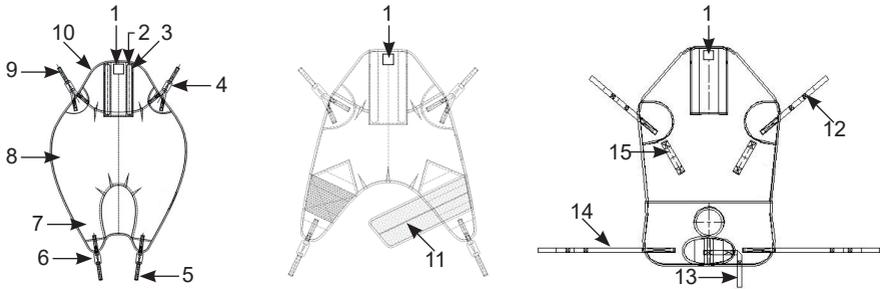
## Safety Practises

- At any time, if the patient becomes agitated, stop transferring/transporting and safely lower the patient.
- Patient with spasm can be lifted, but great care should be taken to support the patient's leg(s)/limb(s).

## Serious incident

If a serious incident occurs in relation to this medical device, affecting the user, or the patient then the user or patient should report the serious incident to the medical device manufacturer or the distributor. In the European Union, the user should also report the serious incident to the Competent Authority in the member state where they are located.

# Parts Designation



- |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Sling label (located on the outside of the sling)</li> <li>2. Stiffener pocket</li> <li>3. Stiffener</li> <li>4. Attachment clip (shoulder)</li> <li>5. Leg strap</li> <li>6. Attachment clip (leg)</li> <li>7. Leg flap</li> <li>8. Body section</li> </ol> | <ol style="list-style-type: none"> <li>9. Shoulder strap</li> <li>10. Head section</li> <li>11. Hook and loop flap</li> <li>12. Attachment loop (shoulder)</li> <li>13. Loop strap</li> <li>14. Attachment loop (leg)</li> <li>15. Pull handles</li> </ol> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

*Example of slings. Not all models are represented.*

## Preparations

### Before First Use (6 steps)

1. Check all parts of the sling, see section “Parts Designation” on page 6. If any part is missing or damaged - Do NOT use the sling.
2. Read this IFU thoroughly.
3. Check that the sling is clean.
4. Choose a designated area where the IFU should be kept and easily accessible at all times.
5. Make sure to have a rescue plan ready in case of a patient emergency.
6. For questions, contact your local Arjo representative for support.

#### NOTE

Arjo recommends the name of the patient is written on the sling care label to avoid cross contamination between patients.

### Before Every Use (5 steps)

1. Patient assessment must always determine the methods used in everyday care, see “Intended Use” on page 4.

#### WARNING

**To avoid the patient from falling, make sure to select the correct sling size according to the IFU.**

2. Check the allowed combinations against the sling, spreader bar and lift, see “Allowed Combinations” on page 9.

#### WARNING

**To avoid injury, always make sure to inspect the equipment prior to use.**

3. Check all parts of the sling, see “Parts Designation” on page 6. If any part is missing or damaged - Do NOT use the sling. Check for:
  - fraying
  - loose stitching
  - tears
  - fabric holes
  - soiled fabric
  - damaged clips/loops
  - unreadable or damaged label

#### WARNING

**To prevent cross-contamination, always follow the disinfection instructions in this IFU.**

4. Check that the sling is clean. If the sling is not clean see “Cleaning and Disinfection” on page 17.
5. Before using the sling, read the lift IFU for transfer, transport and bathing.

# Select Sling Size

How to measure, to select the correct sling size, differs depending on the sling model.

## Sling model MLA7000

1. Measure around the patient's shoulders.
2. Follow the sizing chart below to pick the correct size.

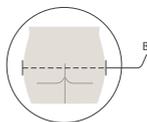
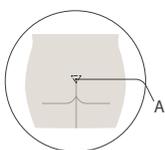


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cm (in)	Shoulder circumference 			
	80-120 (31.5-47)	105-125 (41.5-49)	110-130 (43.5-51)	120-140 (47-55)
	S	M	L	XL

## Sling model MAA2050M, MAA2080M, MAA2090M, MAA2091M, MAA4040M and MAA7090M

1. Measure from the patient's coccyx/seat (A) to top of the head
2. Measure around the patient's lower hips. Measure at the widest part of the hip (B).



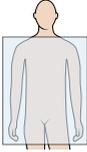
3. Follow the sizing chart below to pick the correct size.

 Low hip circumference	cm (in)	Top of head to coccyx 										
		70-80 (27.5-31.5)	81-93 (32-36.5)	94-106 (37-41.5)	107-125 (42-49)	126-136 (49.5-53.5)	137-155 (54-61)	156-220 (61.5-86.5)	60-65 (23.5-25.5)	66-73 (26-29)	74-81 (29-32)	82-89 (32.5-35)
							XS	S	M	L	LL	XL
							S	S	M	L	LL	XL
							M	M	M	LL	LL	XL
							M	L	L	LL	XL	XL
							L	LL	LL	LL	XL	XL
							XL	XL	XL	XL	XL	XXL
							/	/	XXL	XXL	XXL	XXL

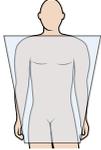
# Sling model MAA4070M and MAA4080M

1. Identify the body shape of the patient.

- Rectangle



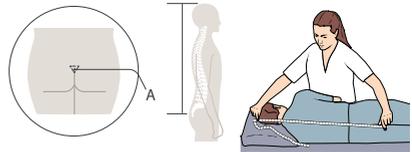
- Inverted trapezoid



- Trapezoid



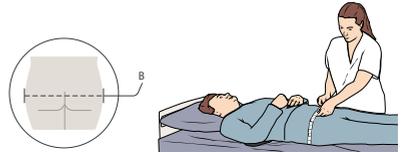
2. Regardless of body shape measure from the patient's coccyx/seat (A) to top of the head



3. Measure according to body shape:  
For rectangle and Inverted trapezoid body shapes measure around the patient's shoulders.



For Trapezoid body shapes Measure around the patient's lower hips. Measure at the widest part of the hip (B).



4. Follow the sizing chart below to pick the correct size.

	cm (in)	Top of head to coccyx 				
		60-70 (25.5-27.5)	71-75 (28-29.5)	76-82 (30-32.5)	83-90 (32.5-35.5)	91-105 (36-41.5)
Shoulder circumference	80-99 (31.5-39)	M	M	M	L	LL
	100-114 (39.5-45)	M	M	L	LL	LL
	115-130 (45.5-51)	L	L	L	LL	XL
	131-149 (51.5-59)	LL	LL	LL	LL	XL
	150-170 (59-67)	XL	XL	XL	XL	XL
	cm (in)	60-70 (25.5-27.5)	71-75 (28-29.5)	76-82 (30-32.5)	83-90 (32.5-35.5)	91-105 (36-41.5)
	80-95 (31.5-37.5)	M	M	M	L	LL
	96-112 (38-44)	M	M	L	LL	LL
	113-129 (44.5-51)	L	L	L	LL	XL
	130-145 (51-57)	LL	LL	LL	LL	XL
	146-166 (57.5-65.5)	XL	XL	XL	XL	XL

# Sling Selection

The patient's physical disabilities, weight distribution and general physique needs to be taken into consideration when selecting a sling.

## Sling Selection Based on Patient's Amputee

Double amputee over knee: Use an Amputee clip sling or Amputee loop hammock sling.

One leg amputee: Use an Amputee left/right leg clip sling (depending on amputee) or Amputee loop hammock sling.

### Transfer/Bathing

Article number	Safe Working Load	Product Description	Size
MAA2080M	190 kg (418 lbs)	Amputee clip bathing in situ sling	S, M, L, LL
MAA7090M	272 kg (600 lbs)	Amputee clip bathing sling	M, L, XL

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### Transfer/Transport

Article number	Safe Working Load	Product Description	Size
MAA2050M	190 kg (418 lbs)	Amputee clip in situ sling	S, M, L, LL, XL
MAA2090M	272 kg (600 lbs)	Amputee clip sling	XS, S, M, L, LL, XL, XXL
MAA2091M	272 kg (600 lbs)	Amputee clip toilet sling	M, L, XL
MAA4040M	272 kg (600 lbs)	Amputee clip sling – “hook & loop” fastener	M, L, XL
MAA4070M	272 kg (600 lbs)	Amputee right leg clip sling	M, L, LL, XL
MAA4080M	272 kg (600 lbs)	Amputee left leg clip sling	M, L, LL, XL
MLA7000	272 kg (600 lbs)	Amputee loop hammock sling	S, M, L, XL

## Allowed Combinations

### WARNING

To avoid injury, always follow the allowed combinations listed in this *IFU*.

### Safe Working Load (SWL)

Always follow the lowest SWL of the total system. E.g. the *Maxi Twin Compact* lift/spreader bar has a SWL of 160 kg (352 lbs) and the MAA2050M sling has a SWL of 190 kg (418 lbs). This means that the lift/spreader bar has the lowest SWL. The patient is not allowed to weigh more than the lowest SWL.

Sling	SWL	Size	Lift	Maxi Twin		
			Maxi Twin Compact	Maxi 500	Maxi Twin	
			SWL	SWL	SWL	
Spread Bar (DPS)	Power Medium	Manual	Manual Medium	Power		
SWL	Size	Size	Size	Size		
MAA2050M	190 kg (418 lbs)	S, M, L, LL, XL	S, M, L, LL	S, M, L, LL	S, M, L, LL, XL	
MAA2080M	190 kg (418 lbs)	S, M, L, LL, XL	S, M, L, LL	S, M, L, LL	S, M, L, LL	
MAA2090M	272 kg (600 lbs)	S, M, L, LL, XL	S, M, L, LL	S, M, L, LL	S, M, L, LL, XL	
MAA7090M	272 kg (600 lbs)	M, L, XL	M, L	M, L	M, L, XL	

MAA2091M	272 kg (600 lbs)	M, L, XL	M, L	M, L	M, L, XL
MAA4040M	272 kg (600 lbs)	M, L, XL	M, L	M, L	M, L, XL
MAA4070M	272 kg (600 lbs)	M, L, LL, XL	M, L, LL	M, L, LL	M, L, LL, XL
MAA4080M	272 kg (600 lbs)	M, L, LL, XL	M, L, LL	M, L, LL	M, L, LL, XL

	<b>Lift</b>	Minstrel	Maxi 500	Maxi Twin		
	<b>SWL</b>	190 kg (418 lbs)	227 kg (500 lbs)	182 kg (401 lbs)		
	<b>Spreader Bar</b>	4 point	2 point Loop	2 point Small	2 point Medium	4 point Large
<b>Sling</b>	<b>SWL</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>
MLA7000	272 kg (600 lbs)	M, L, XL	S, M, L, XL	S, M	S, M,L, XL	M, L, XL

	<b>Lift</b>	Maxi Move				Maxi Sky 600
	<b>SWL</b>	227 kg (500 lbs)				272 kg (600 lbs)
	<b>Spreader Bar (DPS)</b>	Manual Small	Manual Medium	Power Medium	Power Large	Power Medium
<b>Sling</b>	<b>SWL</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>
MAA2050M	190 kg (418 lbs)	S	S, M, L, LL	S, M, L, LL, XL	L, LL, XL	S, M, L, LL, XL
MAA2080M	190 kg (418 lbs)	S	S, M, L, LL	S, M, L, LL	L, LL	S, M, L, LL
MAA2090M	272 kg (600 lbs)	XS, S	S, M, L, LL	S, M, L, LL, XL	L, LL, XL, XXL	S, M, L, LL, XL
MAA7090M	272 kg (600 lbs)	-	M, L	M, L, XL	L, XL	M, L, XL
MAA2091M	272 kg (600 lbs)	-	M, L	M, L, XL	L, XL	M, L, XL
MAA4040M	272 kg (600 lbs)	-	M, L	M, L, XL	L, XL	M, L, XL
MAA4070M	272 kg (600 lbs)	-	M, L, LL	M, L, LL, XL	L, LL, XL	M, L, LL, XL
MAA4080M	272 kg (600 lbs)	-	M, L, LL	M, L, LL, XL	L, LL, XL	M, L, LL, XL

	<b>Lift</b>	Maxi Move			Maxi Sky 440	Maxi Sky 600	
	<b>SWL</b>	125 kg (275 lbs)	227 kg (500 lbs)		200 kg (440 lbs)	272 kg (600 lbs)	
	<b>Spreader Bar</b>	2 point Small	2 point Medium	2 point loop	4 point loop	Fix	2 point Medium
<b>Sling</b>	<b>SWL</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	<b>Size</b>	
MLA7000	272 kg (600 lbs)	S, M	S, M, L, XL	S, M, L, XL	M, L, XL,	S, M, L, XL	S, M, L, XL

# Clip Attachment & Detachment

## NOTE

If available on your lift device, reposition the spreader bar using the Dynamic Position System (DPS) for easier clip attachment of the sling. See lift *IFU* for instructions.

## Attach the Clips (5 steps)

1. Place the clip on the spreader bar lug. (See Fig. 1)
2. Pull the strap down.
3. Make sure the lug is locked at the top end of the clip. (See Fig. 2)

4. Make sure the strap is not squeezed in between the clip and the spreader bar.
5. Make sure the straps are not twisted.

## Detach the Clips (3 steps)

Make sure that the weight of the patient is taken up by the receiving surface before removing the clip.

1. Pull the strap up. (See Fig. 3)
2. Make sure the lug is unlocked at the bottom of the clip.
3. Remove the clip.

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# Loop Attachment & Detachment

**2 point spreader bar:** First attach the shoulder loops, then attach the leg loops.

**4 point spreader bar:** First attach the shoulder loops in the front hooks. Then attach the leg loops in the back hooks

## WARNING

Do not cross the shoulder straps.

## Attach the Loops (5 Steps)

### WARNING

Use the same loop length (loop colour) for the shoulder straps and the same length (loop colour) for the leg straps.

1. Place the loop over the spring loaded latch (A). (See Fig. 4)
2. Pull the loop down to force the latch to open.
3. Make sure that the spring loaded latch closes completely with the loop inside. (See Fig. 4)
4. Make sure that the latch is moving freely.
5. Make sure loops and straps are not twisted.

## NOTE

The loops lengths on the straps are used to adjust the resident's position and comfort.

- Loops closer to the shoulders; More forward position
- Loops further away from the shoulders; More reclined position
- Loops closer to the legs; Raised leg(s)/limb(s)/bottom
- Loops further away from legs; Lowered leg(s)/limb(s)/bottom

## Detach the Loops (2 steps)

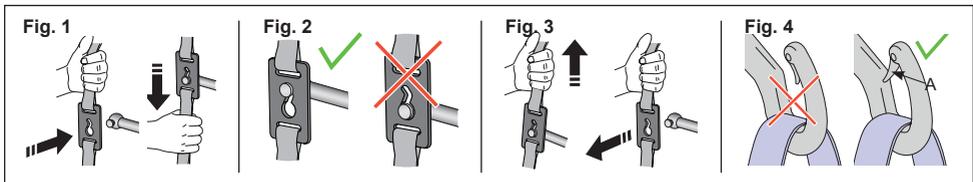
Make sure that the weight of the resident is taken up by the receiving surface before removing the loop.

### Method 1

1. Press the spring loaded latch open.
2. Remove the loop.

### Method 2

1. Pull one side of the loop over the hook and spring loaded latch. (See Fig. 5)
2. Pull down the loop. (See Fig. 6)



# Applying the Sling

## In Bed (24 steps)

It is recommended that all patients with double amputees are transferred from a flat surface. For transfer/transport/bathing see respective lift *IFU*.

1. Place the lift nearby.
2. Apply bed brakes and adjust the height of the bed to an ergonomic position, if possible.
3. The patient needs to lay down flat on his/her back.
4. Check that the stiffeners are completely inside the stiffener pockets, if any.
5. Fold the sling lengthwise along the centre line, outside facing outside. The sling label is located on the outside.

### WARNING

**To avoid injury during log roll, make sure there is another caregiver present and/or use the side rails on the opposite side of the bed.**

6. Log roll the patient. (Use local technique.) If log roll is not possible, use an Arjo sliding sheet/tube for placing the sling. See respective *Sliding sheet/tube IFU*
7. Place the folded sling over the patient's side. Make sure that the centre line is aligned with the patient's spine, starting at the coccyx. Place the leg flaps towards the leg(s)/limb(s). (See Fig. 7)
8. Fold down the top of the sling and tuck it under the patient's body.
9. Log roll the patient to the other side.
10. Pull out the remaining part of the sling from under the patients body.
11. Return the patient to his/her back.
12. Place the leg flaps underneath the patient's leg(s)/limb(s). If using a hammock sling, there are no leg straps just general straps.
13. If using a loop sling, cross the leg straps. Pull one strap through the other. (See Fig. 8)
14. Make sure that the: (See Fig. 9)
  - sling is centred and flat without creases,
  - sling attachment points at shoulders and legs is clear of the body and have enough reach to

attach to the spreader bar,

- leg sections of the sling is long enough to reach around the patients mid thigh to support well and that the sling is not twisted underneath the legs,
- patients upper body is inside the coloured edging of the sling,
- patients head is well supported by the sling (if head support sling used),
- sling pieces are not twisted underneath the patient and
- if a sling with commode is being used, make sure the hole is positioned correctly.

### WARNING

**To avoid injury, make sure the patient's arms are placed inside of the sling.**

15. Make sure the patient's arms are inside the sling.
16. Place the lift next to the patient and apply the brakes.

### WARNING

**To avoid injury to the patient, pay close attention when lowering or adjusting the spreader bar.**

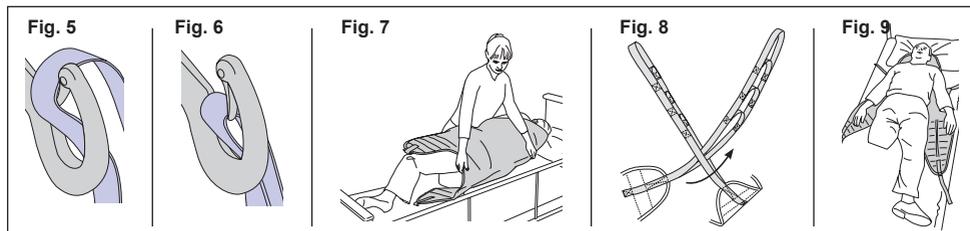
17. Attach the clips/loops.
18. Slightly lift the patient to create tension in the sling. (See Fig. 10)

### WARNING

**To avoid the patient from falling, make sure that the sling attachments are attached securely before and during the lifting process.**

19. Make sure that:
  - All clips/loops are securely attached (See Fig. 2) and (See Fig. 4)
  - All straps are straight (not twisted)
  - The patient lays comfortably in the sling.

*Continue with the steps on the next page.*



20. If an adjustment is needed, lower the patient and make sure that the weight of the patient is taken up by the receiving surface before removing the clip/loop.
  21. **If using a clip sling:** adjust the spreader bars Dynamic Positioning System (DPS), if needed. For manual DPS, make sure that one caregiver holds on to the DPS while the other caregiver operates the lift.
  22. **If using loop sling:** lower the patient down onto the bed and adjust loop lengths.
  23. Release the brakes on the lift.
  24. Transfer, transport and bathe the patient according to the lift *IFU*.
10. If using a loop sling, cross the legs straps. Pull one strap through the other. **(See Fig. 8)**
  11. Make sure that the:
    - sling is centred and flat without creases,
    - sling attachment points at shoulders and legs is clear of the body and have enough reach to attach to the spreader bar,
    - leg sections of the sling is long enough to reach around the patients mid thigh to support well and that the sling is not twisted underneath the legs,
    - patients upper body is inside the coloured edging of the sling,
    - patients head is well supported by the sling (if head support sling used),
    - sling pieces are not twisted underneath the patient and
    - if a sling with commode is being used, make sure the hole is positioned correct

## In Chair/ Wheelchair (22 steps)

### NOTE

Do NOT use an Amputee loop hammock sling or an Amputee clip sling - "hook & loop" fastener in chair/wheelchair. Apply these in bed.

It is recommended that all patients with double amputees are transferred from a flat surface.

1. Place the lift nearby.
2. Apply the brakes on the wheelchair.
3. Check that the stiffeners are completely inside the stiffener pockets, if any.
4. Stand in front of the patient and lean the patient forward.
5. Place the sling over the patient's back and head with the inside of the sling against the patient. The sling label is located on the outside. If needed, use an Arjo sliding sheet/tube for placing the sling. See respective *Sliding sheet/tube IFU*.
6. Make sure to always be two caregivers present, when using a sliding sheet for placement of a sling under the patient's bottom. See respective *Sliding sheet/tube IFU*.
7. Make sure that the centre line is aligned with the patient's spine and coccyx.
8. Lean the patient back.
9. Place the leg flap(s) underneath the patient's leg(s)/limb(s). **(See Fig. 11)**

### WARNING

**To avoid injury, make sure the patient's arms are placed inside of the sling.**

12. Make sure the patient's arms are inside the sling.
13. Place the lift in front of the patient. Open the lift legs, if needed.
14. Apply the brakes on the lift.

### WARNING

**To avoid injury to the patient, pay close attention when lowering or adjusting the spreader bar.**

15. Attach the clips/loops.
16. If using a clip sling, adjust the spreader bars DPS, if needed. If using loop sling, lower the patient back into the chair/wheelchair and adjust loop lengths.
17. Slightly lift the patient to create tension in the sling. **(See Fig. 12)**

*Continue with the steps on the next page.*

Fig. 10



Fig. 11



Fig. 12



## WARNING

To avoid the patient from falling, make sure that the sling attachments are attached securely before and during the lifting process.

18. Make sure that:
  - All clips/loops are securely attached (See Fig. 2) and (See Fig. 4)
  - All straps are straight (not twisted)
  - The patient lays comfortably in the sling.
19. If an adjustment is needed, lower the patient and make sure that the weight of the patient is taken up by the receiving surface before removing the clip/loop.
20. If using a clip sling with manual DPS spreader bar, make sure that one caregiver holds on to the DPS while the other caregiver operates the lift.

## WARNING

Make sure straps are not caught by wheelchair or lift castors.

21. Release the brakes on the lift.
22. Transfer/transport/bathe the patient according to the lift IFU.

### On Floor (32 steps)

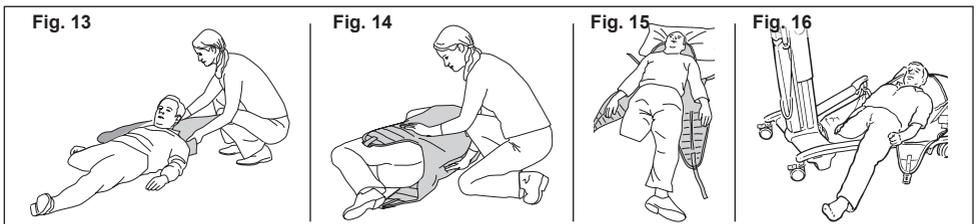
1. Make a clinical assessment of the patient. Do not use the sling if the patient has a head, neck, spine or hip injury. Use the Scoop Stretcher instead. See the Scoop Stretcher IFU.
2. Place a pillow under the patient's head. (See Fig. 13)
3. Make sure the patient is in an area that is accessible for the lift. If needed, use an Arjo sliding sheet/tube for placement of the sling. See respective *Sliding sheet/tube IFU*.
4. Check that the stiffeners are completely inside the stiffener pockets, if any.
5. **If the patient is able to sit up, continue to next step. If not able to sit up, proceed to step 9.**
6. **Patient able to sit up:** Stand behind the patient and help him/her to a seated position.

7. Place the sling over the patient's back and head with the inside of the sling against the patient. The sling label is located on the outside.
8. Make sure that the centre line is aligned with the patient's spine, starting at the coccyx. **Continue to step 16.**
9. **Patient not able to sit up:** Fold the sling lengthwise along the centre line, outside facing outside. The sling label is located on the outside.
10. Log roll the patient. (Use local technique) (See Fig. 14) If log rolling is not possible, use an Arjo sliding sheet/tube for placing the sling. See respective *Sliding sheet/tube IFU*.
11. Place the folded sling over the patient's side. Make sure that the centre line is aligned with the patient's spine, starting at the coccyx. Place the leg flaps/straps towards the legs.
12. Fold down the top of the sling and tuck it under the patient's body.
13. Log roll the patient to the other side.
14. Pull out the remaining part of the sling from under the patient's body.
15. Return the patient to his/her back.
16. Make sure that the: (See Fig. 15)
  - sling is centred and flat without creases,
  - sling attachment points at shoulders and legs is clear of the body and have enough reach to attach to the spreader bar,
  - leg sections of the sling is long enough to reach around the patients mid thigh to support well and that the sling is not twisted underneath the legs,
  - patients upper body is inside the coloured edging of the sling,
  - patients head is well supported by the sling (if head support sling used),
  - sling pieces are not twisted underneath the patient and
  - if a sling with commode is being used, make sure the hole is positioned correctly.

## WARNING

To avoid injury, make sure the patient's arms are placed inside of the sling.

Continue with the steps on the next page.



17. Make sure the patient's arms are inside the sling.
18. Position the lift sideways with the lift legs wide open. One caregiver needs to be close to the patient's head and the other caregiver needs to lift up the patient's leg(s)/limb(s).
19. Position one lift leg next to the patient's head and the other lift leg under the patient's leg(s)/limb(s). Make sure the spreader bar is positioned over the patient's shoulders. **(See Fig. 16)**
20. Lower the spreader bar with the spreader bar DPS in a reclined position.
21. Place the leg flaps/straps underneath the patient's leg(s)/limb(s). If using a loop sling, cross the legs straps. Pull one strap through the other. **(See Fig. 8)**

## WARNING

**To avoid injury to the patient, pay close attention when lowering or adjusting the spreader bar.**

22. Attach the shoulder clips/loops.
23. Lift the patient's head up slightly. Adjust the spreader bar DPS/loop to a seated position. The shorter the limb(s), the more the patient will tilt backwards. If using a clip sling with manual DPS spreader bar, make sure that one caregiver holds on to the DPS while the other caregiver operates

- the lift.
24. Move the lift/spreader bar closer to the patient's legs.
  25. Apply the brakes on the lift.
  26. Attach the leg clips/loops.
- WARNING**  
**To avoid the patient from falling, make sure that the sling attachments are attached securely before and during the lifting process.**
27. Make sure that all clips/loops are attached securely and the patient lays comfortably in the sling. Adjust if necessary.
  28. While lifting the patient, make sure that:
    - the spreader bar is in a seated position,
    - one caregiver pays attention the patient's head and
    - that the other caregiver holds up the patient's leg(s)/limb(s) to prevent them from hitting the lift leg. **(See Fig. 17)**
  29. Remove the pillow.
  30. Release the brakes on the lift.
  31. Bring the lift legs together.
  32. Transfer/transport the patient according to the *IFU*.

EN

## Removing the Sling

### In Bed (12 steps)

1. Position the patient over the bed. **(See Fig. 18)**
2. Apply bed brakes and adjust the height of the bed to an ergonomic position, if possible.
3. Make sure the spreader bar is in a reclined position or according to the position of the bed.

## WARNING

**To avoid injury to the patient, pay close attention when lowering or adjusting the spreader bar.**

4. Lower the patient onto the bed. Make sure that the weight of the patient is taken up by the receiving surface before removing the clip/loop.

5. Detach the sling.
6. Move the lift away from the patient.
7. Pull out the leg flaps from under the patient's leg(s)/limb(s). **(See Fig. 15)**
8. If using an in situ sling, make sure to place the sling straps along the side of the patient's body. This prevents the straps from getting caught in other objects.

*Continue with the steps on the next page.*

Fig. 17

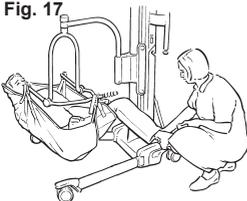


Fig. 18

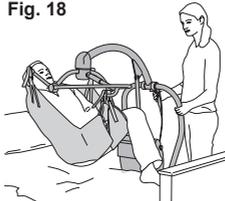
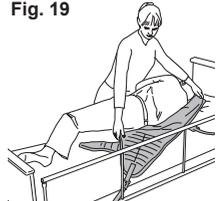


Fig. 19



# Removing the Sling

## WARNING

To avoid injury during log roll, make sure there is another caregiver present and/or use the side rails on the opposite side of the bed.

9. Log roll the patient. (Use local technique) If log rolling is not possible, use an Arjo sliding sheet/tube for removing the sling. See respective *Sliding sheet/tube IFU*.
10. Tuck the sling under the patient's body. (See Fig. 19)
11. Log roll the patient to the other side and remove the sling.
12. Return the patient to his/her back. Make sure the patient is in a comfortable and secure position in the bed.

## In Chair/Wheelchair (13 steps)

1. Apply the brakes on the wheelchair.
2. Open up the chassis leg on the lift.
3. Position the patient over the chair/wheelchair. (See Fig. 20)
4. **If using a loop sling:** push the sling, not the patient, towards the back of the chair/wheelchair for better positioning.  
**If using a clip sling:** use the DPS for positioning.
5. Lower the patient into the chair/wheelchair.

6. Make sure that the patient's lower back is positioned all the way in against the chair/wheelchair to avoid the patient from sliding out. Also make sure that the weight of the patient is taken up by the receiving surface before removing the clip/loop.

## WARNING

To avoid injury to the patient, pay close attention when lowering or adjusting the spreader bar.

7. Detach the sling.
8. Move the lift away from the patient
9. Pull out the leg flaps from under the patient's leg(s)/limb(s) and place them backwards along the patient's side. (See Fig. 21).
10. If using an in situ sling in a wheelchair, make sure to place the sling straps along the side of the patient's body. This prevents the straps from getting caught in the wheels of the wheelchair.
11. Stand in front of the patient and lean the patient forward.
12. Pull out the sling. If needed, use an Arjo sliding sheet/tube. See respective *Sliding sheet/tube IFU*.
13. Lean the patient back up to a comfortable and secure position.

Fig. 20



Fig. 21



# Cleaning and Disinfection

## WARNING

To prevent cross-contamination, always follow the disinfection instructions in this IFU.

## WARNING

To avoid material damage and injury, clean and disinfect according to this IFU.

- No other chemicals are allowed.
- Never clean with chlorine.
- Chlorine will deteriorate the surface of the material.

## WARNING

To avoid injury, always remove the sling before disinfecting the lift.

All *Amputee Slings* should be cleaned when they are soiled or stained and between patients.

### Cleaning Instruction (7 steps)

1. Detach the sling from the lift.
2. Remove the stiffeners, if any, before washing.
3. Close all buckles and hook and loop attachment on the slings and belts prior to washing.
4. Check the symbols on the product label for cleaning recommendations.

5. Machine wash the sling at 70°C (158°F). In order to obtain sufficient level of disinfection, please wash according to local hygiene legislation. If allowed according to the product label, tumble dry in low temperature, max 60°C (140°F).
6. Do NOT
  - wash together with other items that have rough surfaces or sharp objects.
  - use any mechanical pressure, pressing or rolling
  - use bleach
  - use gas sterilization
  - use autoclave
  - dry clean
  - ironing
  - steam
7. Place the stiffeners if any, back in to the sling before use.

### Cleaning Chemicals

For all sling material use common commercial detergent without optical brightener. No other chemicals are allowed e.g. chlorine, softener, iodine based disinfectants, bromine and ozone.

### Disinfection

The only allowed disinfection is disinfection by washing.

# Care and Preventive Maintenance

## WARNING

To avoid injury to both patient and caregiver, never modify the equipment or use incompatible parts.

## Before and After Every Use

### Visually check all exposed parts

The caregiver shall inspect the sling before and after every use. The complete sling should be checked for all deviations listed below. If any of these deviations are visible, replace the sling immediately.

- Fraying
- Loose stitching
- Tears
- Holes
- Discolouration or stains from bleaching
- Sling soiled or stained
- Label unreadable or damaged

## When Soiled or Stained and Between Patients

### Clean/Disinfect

The caregiver should make sure that the sling is cleaned according to “*Cleaning and Disinfection*” on page 17, when it is soiled or stained and between patients.

### Storage

When not in use, the slings should be stored away from direct sunlight where they are not subject to unnecessary strain, stress or pressure, or to excessive heat or humidity. The slings should be kept away from sharp edges, corrosives or other things that could cause damage on the sling.

### Service and Maintenance

It is recommended that qualified personnel inspect the condition of the sling twice a year (every 6 month), according to ISO 10535.

# Technical Specifications

General	
Safe working load (SWL) = Maximum total load	See “ <i>Allowed Combinations</i> ” on page 9
Service life – Recommended period of use	Sling models MAA2050M and MAA2080M 1,5 years* All other slings 2 years* * Refer to “ <i>Expected Service Life</i> ” on page 4.
Shelf life – Maximum period of storing new unpacked product	5 years
Model and Type	See “ <i>Sling Selection</i> ” on page 9
Operating, Transport and Storage Environment	
Temperature	0°C to +40°C (+32°F to +104°F) Operating and Storage -25°C to +60°C (-13°F to +140°F) Transport
Humidity	Max 15–70% at +20°C (68°F) Operating and Storage Max 10–95% at +20°C (68°F) Transport
End of Life Disposal	
Package	The bag consists of soft plastic, recyclable to local legislations.
Sling	Slings including stiffeners/stabilizers, padding material, any other textiles or polymers or plastic materials etc. should be sorted as combustible waste.
Parts and Accessories	
Stiffeners	GX21270, TBS102 and TBS103
Measuring tape	MTA1000

# Troubleshooting

Problem	Action
The patient is not positioned correctly in the sling (e.g. one strap is shorter than the other).	<ul style="list-style-type: none"> <li>• Make sure the clip/loop straps are not twisted.</li> <li>• Make sure the patient is seated on the inside of the sling. The outside has a label for reference.</li> <li>• Make sure the patient is centred in the sling.</li> </ul>
The patient feels discomfort in the leg area when seated in the sling.	Make sure that there are no creases on the leg flaps of the sling.
The sling is difficult to apply (e.g. during log roll).	Use an Arjo sliding sheet/tube according to instructions in respective <i>IFU</i> .
There are difficulties applying the shoulder clips/loops.	<ul style="list-style-type: none"> <li>• Place the patient in a more seated position in the bed or on the floor. Place a pillow behind the patient's neck/back, outside of the sling.</li> <li>• Raise the back rest of the bed, if available.</li> <li>• Make sure the clip strap is not caught between the lug on the lift and the clip attachment.</li> <li>• If possible, use the pull handles to place the sling in a better position.</li> <li>• Adjust the spreader bar to a more reclined position. Pay attention to the patient's head.</li> </ul>
There are difficulties applying the leg clips/loops.	<ul style="list-style-type: none"> <li>• Bend the patient's legs or place a pillow under the patient's knees. If the sling is applied on the floor, place the patient's legs on the caregiver's knee.</li> <li>• Make sure the clip strap is not caught between the lug on the lift and the clip attachment.</li> <li>• Adjust the spreader bar to a more seated position.</li> </ul>
It is difficult to use the sling in combination with the lift and spreader bar.	Use the sling only in accordance with the combinations described in section " <i>Allowed Combinations</i> " on page 9.
The position of the patient in the sling should be more reclined or seated.	Use the spreader bar or the loop lengths to adjust the patient's position.
The patient wishes to have extra support for the neck.	Place a pillow behind the patient's neck, inside the sling.
The patient is not sitting balanced.	<ul style="list-style-type: none"> <li>• If using a manual spreader bar, one caregiver must always hold to the spreader bar during transfer/transport.</li> <li>• Adjust the spreader bar to a more seated position since amputee patients tend to fall in a more reclined position.</li> <li>• If problem still occurs: Adjust the loop lengths.</li> </ul>

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# Label on the Sling

EN

Care and Washing Symbols	
	Machine wash 70°C (158°F)
	No bleaching allowed
	No tumble drying allowed
	Tumble drying
	No Ironing allowed
	No dry cleaning allowed

Certificates/Markings	
	CE marking indicating conformity with European Community harmonised legislation
	Indicates the product is a Medical Device according to EU Medical Device Regulation 2017/745
	Unique device identifier

Symbol for Clip and Loop	
	Use a clip spreader bar.
	Use a loop spreader bar.

Article Number	
REF XXXXXX-X	Article number with -X refers to the sling size.
REF XXXXXXX	If the article number is stated without the size letter at the end, it means the sling is a One Size.

Fibre Content	
PES	Polyester
PE	Polyethylene
PU	Polyurethane
PA	Polyamide

Misc. Symbols	
	Safe Working Load (SWL)
	Patient's name symbol
	Single patient multiple use
	Record symbol
	Read the <i>IFU</i> before use
	Article number
	Manufacturing date and year
	Manufacturer name and address

UK Symbol explanation	
This section is only applicable to United Kingdom (UK) market when UK marking is applied to the Arjo medical device labelling.	
	UK marking indicating conformity with UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended)
<p><b>UK Responsible Person &amp; UK Importer:</b>  <b>Arjo (UK) Ltd, ArjoHuntleigh House, Houghton Regis. LU5 5XF</b>                      Is the appointed UK Responsible Person as defined in UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended).                      For Northern Ireland (NI) CE marking will still apply until further amendment to applicable regulations.</p>	

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