

ARJO

**MAXI TWIN**  
THE INNOVATIVE  
TWIN-MAST LIFTER





## OPEN UP NEW POSSIBILITIES FOR IMPROVED CARE



*Maxi Twin* is the next generation mobile lifter with a unique open, twin-mast design. This innovative solution opens up new possibilities to fulfil the twin aims of ARJO in resident handling – to promote safe, ergonomic working routines for carers and nurses, and ensure comfortable, secure transfers for residents and patients.

The *Maxi Twin* looks different. Unlike other passive sling lifters, it has twin masts, which not only improve stability and weight distribution, but also gives the lifter an attractive, modern open design. This new look gives the resident an unobstructed view of the carer for reassuring eye-contact during transfer routines.

The *Maxi Twin* handles differently. Each mast effectively acts as a handle, so any point along the twin masts and jib can be used to manoeuvre the lifter, ensuring that whatever a carer's height, the optimum working posture is always achievable. On the move, the lightweight unit runs on superior castors, ensuring minimum effort is needed for steering and positioning.

Using *Maxi Twin*, you can improve resident handling routines. Staff benefit from maximum assistance in lifting, positioning and rotating the resident in the

sling. All resident lifting is controlled from the handset. Resident positioning in the sling can be accomplished with minimum or no physical effort by using DPS (Dynamic Positioning System) or Powered DPS. The resident can be gently rotated 360 degrees in the sling, which enhances the efficiency of transfer routines.

Another advantage for resident transfers is the *Maxi Twin*'s excellent lifting range and reach. This is particularly evident during bed transfers, when the resident can be correctly positioned in the middle of any type of bed – fixed-height, height-adjustable, extra wide – without the need for awkward manual repositioning.

*Maxi Twin* is designed for use by one nurse or carer with residents and residents who have no capacity to support themselves – see the mobility gallery on back page – in care environments such as residential homes, nursing homes and special schools.

The *Maxi Twin* can improve working conditions for nurses and carers and the well-being of residents and patients by enhancing safety and comfort during everyday transfers and, should the situation arise, emergency lifting from the floor.

## THE COMFORT LEVEL OF YOUR LIFTER IS DETERMINED BY THE SLING



Whatever your requirement – a clip sling or loop sling, the comprehensive ARJO sling range provides solutions for all your needs. And with our sizing guide tape and colour-coded slings, it is easy to find exactly the right size of sling for each resident. For more in-depth information regarding slings, contact ARJO to get the separate Sling Solutions brochure.



The sling is an integral part of an optimized lifting and transfer solution. ARJO is dedicated to improving the quality of resident handling by providing the right sling for the right resident and purpose.

For *Maxi Twin*, there is a comprehensive range of new and improved loop and clip slings to cover the needs of different care facilities. This range is backed by a selection of loop spreader bars and DPS (Dynamic Positioning System) spreader bars for clip slings to ensure optimum comfort and safety for individual residents. The sling range introduces new designs, more sizes, better materials and greater options for enhanced comfort.

### Clip slings

Clip slings were developed by ARJO and have been a proven element in sling lifters for many years. There are eight different sizes for most slings.

Among the standard padded or unpadded slings there are also special-purpose slings for toileting, mesh slings for bathing and showering, and solutions for double and single amputees. An all-day sling is also available with more breathable material. For extra comfort, there is the new Deluxe sling, made in a softer material with extra

padding and support in key pressure areas to enhance personalized care.

### Loop slings

The new improved loop sling range offers six different sizes for most variants. Standard and padded slings can be supplied with or without head supports. There is also a low-back alternative for use when residents need to have their arms outside the sling. Toileting slings can be supplied with or without head support. A universal hammock sling is also available for general purpose, single amputee or double amputee.

### Loop or clip?

Clip slings used on DPS spreader bars offer many benefits including a more comfortable reclined position in the sling and more even distribution of the resident's weight. The medium open-style DPS spreader bar and Powered DPS used on *Maxi Twin* are suitable for most residents.

Loop slings are widely used at care facilities. The loop spreader bar creates the flexibility to use existing slings and ARJO loop slings to provide the optimized sling solution for each resident.

## DPS AND POWERED DPS

Being able to adjust the resident's position in the sling while lifting or transferring is a key factor in optimizing resident comfort. Manual repositioning often involves pushing on the resident's knees and lifting the handles at the rear of the sling – a method that can cause strain for the carer and discomfort for the resident.

By minimizing or eliminating manual repositioning, DPS (Dynamic Positioning System) and Powered DPS protect carers' health and safety, enhance the wellbeing of residents and safeguard their skin from the tearing and shearing forces that can stem from manual routines.

### DPS

The tilting spreader bar for clip slings, pioneered by ARJO and proven on sling lifters for many years, allows carers to gain the benefits of DPS. This system enables the carer to position and reposition residents with minimal physical effort. With DPS, the carer has the flexibility to sit the resident upright for exact positioning in a chair or recline him or her back to distribute the weight more evenly and reduce pressure under the thighs.

The DPS spreader bar for *Maxi Twin* has a more open design, increasing the space to enhance resident comfort. This extra space also improves good access for the carer when working closely with residents.

In addition, all DPS and loop spreader bars can be fully rotated to provide safe and efficient positioning during transfers.

### Powered DPS

Powered DPS has all the benefits of the open-style DPS spreader bar, but with powered assistance to improve the precision and ease of resident positioning. Powered DPS has been available on ARJO lifters previously, but for *Maxi Twin* it is now operated via the handset, an enhancement that makes positioning procedures easier to control.

Using handset control, the carer can use Powered DPS to reposition residents without physical strain. The smooth motion of Powered DPS with soft-start and stop is very comforting for the resident, so he or she feels safer and at ease.

Pressing the Powered DPS button on the handset can position the resident in a supine position for transfer into bed or sit him or her upright when transferring to a chair. For transfers to the bed, Powered DPS eliminates the need for the carer to climb onto the bed or bend down for manual repositioning. The carer can stand comfortably and safely at the bedside and make any positioning adjustments via the handset while the resident is lowered onto the bed.



Pick up from chair with DPS



Pick up from bed with Powered DPS



Handset control



The *Maxi Twin* spreader bar with Powered DPS. Effortless, exact positioning of the resident at the press of a button.

## SMOOTHER TRANSFERS



Transfer to/from bed



Transfer to/from chair



Transfer to/from toilet



Transfer to/from Carendo

The innovative open design of the *Maxi Twin* enables resident transfer routines to be accomplished smoothly and safely by a single carer using sound ergonomic working methods. With the *Maxi Twin*, a carer will find it easy to lift a resident from any platform such as a bed, chair or the floor.

### At the bedside

The *Maxi Twin* is easy to manoeuvre into position for transfers by holding the two masts or jib. Sling attachment is simple and efficient. Lifting proceeds smoothly under handset control. The excellent reach of the jib enables the resident to be lifted from the middle of the bed. With an arc lifting action, the resident experiences no uncomfortable drag across the bed during the lifting sequence. Handset control means the carer can stay close to the resident during the routine. And, with no central mast to impede vision, the open design of the *Maxi Twin* enables reassuring eye-contact between carer and resident at all times during lifting and transfer.

### At the chair / to the toilet

*Maxi Twin* enables smooth resident transfers to and from chairs or toilet. The spreader bar and long reach of the lifter allows the resident to be safely rotated into the correct position.

At the press of a button on the handset, the electrically powered chassis legs of the *Maxi Twin* can be opened to provide optimum access to the chair. Each chassis leg works independently, so if one leg encounters an obstacle, such as a wall or bed, it will stop while the other one continues to open, thus ensuring best possible access.

DPS or Powered DPS enable fine-tuning of the resident's position to optimize comfort and bring the resident to an upright position when being lowered into the chair or toilet.

The rear of the chassis has been designed to give the carer plenty of room for comfortable foot placement when manoeuvring the machine.

### System integration

Another important aspect of *Maxi Twin* is system integration with other ARJO solutions used in elderly care, such as the ARJO *Carendo*. Smooth integration with the *Carendo* multi-purpose hygiene chair, means residents can be efficiently and safely transferred for hygiene routines.

Working with the *M* makes transfers ea  
stressful, as the op  
promotes ergonom  
and good carer-res  
contact.



*Maxi Twin*  
easier and less  
space design  
for daily routines  
for the resident



## LIFTING FROM THE FLOOR

If a patient or resident falls, *Maxi Twin* enables a nurse or carer working alone to safely and confidently carry out a controlled lift from the floor.

The open design of the *Maxi Twin* makes floor lifts easier. It eliminates uncomfortable situations that may occur when making floor lifts with a single-mast lifter, where resident's legs are over the chassis with one leg on each side of mast.

After the sling has been attached, the *Maxi Twin* can be easily manoeuvred into an optimum position close behind the resident, so that, uniquely, the chassis can support the resident's head.

The lift from the floor is smooth and controlled. With the extensive reach there is no danger of the sling knocking into the twin masts, and the motor unit is designed to allow good clearance during lifting.

### Compact motor unit

All mechanical features – actuator, emergency stop and manual emergency lowering device – are integrated in one compact motor unit that also houses the rechargeable battery. The unit has a distinctive smooth exterior and provides easy access to all features during operation or servicing.

The battery – the most environmentally-friendly available – is a well-proven ARJO solution. It is powerful but lightweight, half the weight of an equivalent lead battery. This makes it easier for staff to handle and minimizes the risk of strain injuries.

A buzzing sound indicates when the battery needs to be charged. The battery can be charged at any time, irrespective of power level, making it possible to establish efficient charging routines. The wall-mounted charger can be placed at a convenient height for staff.

There is a 2x battery option, which ensures constant machine readiness – while the *Maxi Twin* is being used, the other battery is charging.

### Handset and fixed control

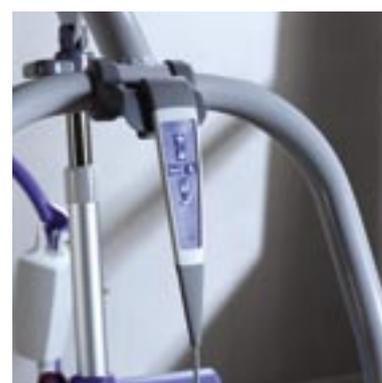
If required, the handset can be placed in the special holder on the lifter and used as a fixed control. When in the holder, the handset is conveniently located within easy reach, is accessible from both sides of the lifter and stays horizontal throughout the lifting range.



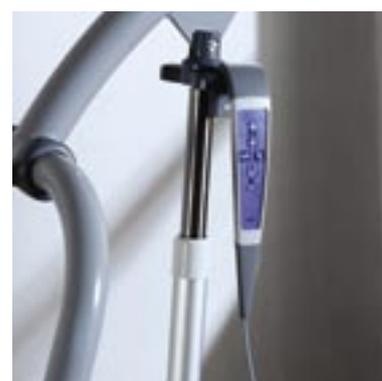
Pick up from floor with Powered DPS



Compact motor unit



Handset holder



Alternative handset holder

## LOOP SPREADER BARS



Quick Release Pin for Loop Spreader Bars



Large Loop Spreader Bar



Medium Loop Spreader Bar



Small Loop Spreader Bar

*Maxi Twin* provides a flexible solution for loop slings. The Quick Release Pin connecting the loop spreader bar and jib enables the rapid removal and fitting of loop spreader bars. This makes it easy for a carer to change between loop spreader bars of various size.

For a care facility, interchangeable loop spreader bars mean the *Maxi Twin* can be used to provide optimal individualized loop sling solutions for patients with different needs.

To support maximum use of the *Maxi Twin*, ARJO supplies three different loop spreader bars – small, medium and large. These offer safe lifting routines for patients up to 170 kg (375 lbs).

### Large Loop Spreader Bar

With a flat design and four hooks for loop sling attachment, the large loop spreader bar has been designed to deliver optimum comfort and support in the care of larger residents. This spreader bar is ideal for use with the ARJO General purpose sling and ARJO universal hammock sling. Using the large loop spreader bar gives care facilities the capability to provide larger residents with high quality handling solutions.

### Medium Loop Spreader Bar

This solution, which supports 2-point loop slings on a rounded frame, is a good general use spreader bar that can be applied in a wide range of everyday transfer situations.

### Small Loop Spreader Bar

The small loop spreader bar has a rounded frame design and supports 2-point loop slings. It is often a preferred solution in transfers where the resident's arms are outside the sling, such as when using the ARJO toilet loop sling or ARJO Quick Fit Sling. This spreader bar is particularly suitable for small patients and children.

- Read more about loop sling solutions on page 4.

## OPTIONS

### Electronic Scale

Weighing residents in the traditional way involves transfers to and from fixed scales. Selecting the optional integral scale for the *Maxi Twin* means the carer can weigh residents in the sling as part of everyday transfer routines. This efficient procedure makes extra transfers for weighing unnecessary.



Option - Electronic Scale

### Low Height Castors

The standard castors offer smooth performance for steering and positioning. For easy access under low heights, *Maxi Twin* can also be supplied with low height castors (75 mm) at the front of the chassis.



Option - Low Height Castors

### Spreader Bar Padding

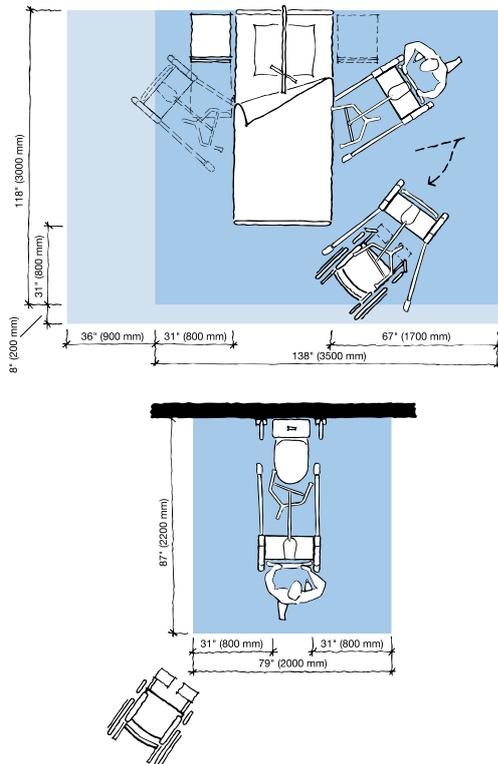
Some residents or patients who are transferred in sling lifters may have conditions that cause uncontrolled physical movement. This can create a risk of injury if they come into contact with the spreader bar. Spreader bar padding provides good protection and eliminates the risk of injury for these individuals.



Option - Spreader Bar Padding

# PRODUCT SPECIFICATIONS

## Space requirement



- Blue area shows the minimum working area required for the staff to be able to use the mechanical aids in an ergonomic way from one side.
- Light blue area shows required extension of working area to facilitate activities from either side to provide adequate access for the resident, mechanical aid and assisting carer.

## Mobility Gallery

### Elderly Care



DORIS



EMMA

### Special Care



DANIEL



EMIL

**D**, who has no capacity to support him/herself

**E**, who is almost completely bedridden and totally dependant

Please contact ARJO for further information on the Mobility Gallery™.

## Product information

|   |                                     |
|---|-------------------------------------|
| Max. safe working load  | 170 kg / 375 lbs.                   |
| Weight (no spreader bar, no battery)<br>(incl. DPS + battery) | 43 kg / 95 lbs.<br>51 kg / 112 lbs. |
| Lifting stroke  | 1240 mm / 49"                       |
| Max. lifting height (DPS)<br>(Large loop spreader bar)        | 1490 mm / 58"<br>1830 mm / 72"      |
| Min. lifting height (DPS)<br>(Medium loop spreader bar)       | 250 mm / 10"<br>420 mm / 17"        |
| Min. total storage height                                     | 1370 mm / 54"                       |
| Powered adjustable chassis                                    |                                     |
| Height of chassis   | 110 mm / 4"                         |
| External width legs closed                                    | 640 mm / 25"                        |
| Lifter - Protection Class                                     | IPX4                                |
| Battery   | 2.5 NiMH; ARJO NEA0100              |
| Emergency stop and system failure override                    |                                     |
| Automatic safety cut-out if lowered onto an obstacle          |                                     |
| Low friction castors, the rear two with brakes                |                                     |

**The product is in compliance with current legislation and applicable product standards**

Use only ARJO Designed Parts, i.e. parts specifically designed for the purpose, on equipment and products supplied by ARJO. Our Conditions of Sale specify that ARJO is not liable for injuries attributable to the use of inadequate parts. Continuous development is part of our policy, and we therefore reserve the right to change specifications without notice.

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**ARJO** ...with people in mind.

### Arjo International AG

Florenzstrasse 1D, 4023 Basel  
SWITZERLAND

Phone: +41 61 337 97 97

Fax: +41 61 331 47 80

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

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