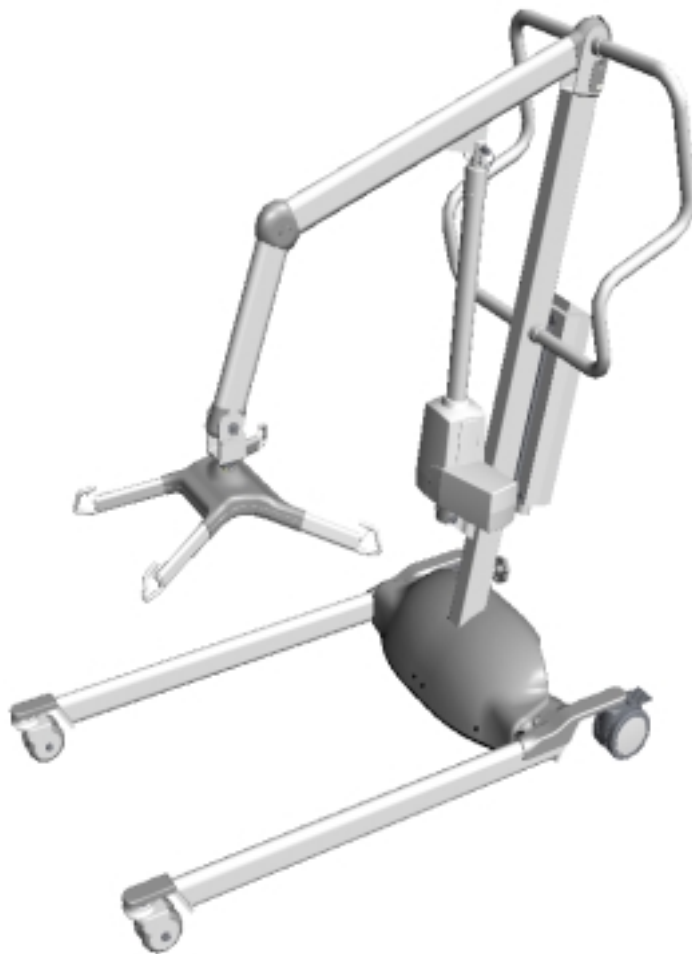




**Moving and Handling  
Products Division**



**The Huntleigh Tx 150**

**User Manual**



## Contents

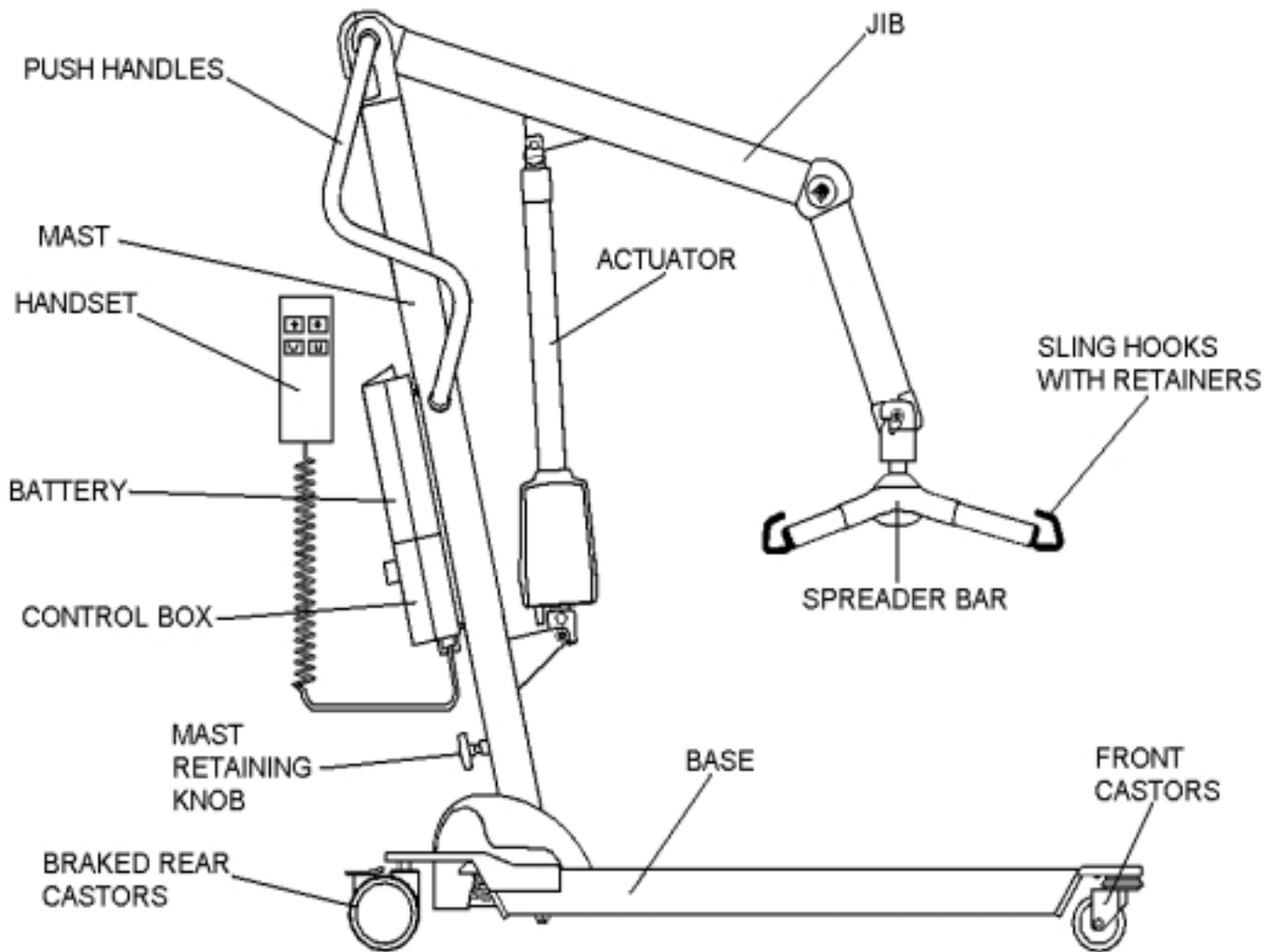
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### Warnings and Cautions

**WARNINGS** given in this manual identify possible hazards in conditions or procedures which, if not followed correctly, could result in death, injury or other serious adverse reactions.

**Cautions** given in this manual identify conditions or procedures which, if not followed correctly, could result in equipment failure or damage.

# The Huntleigh Tx 150 Hoist



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## 1. Intended Use

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The Tx 150 is a mobile hoist designed as an aid to assist carers in moving and handling clients safely and efficiently. It is primarily intended to be used for transfers and is not recommended as a transport device.

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## 2. Applications

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The Tx 150 can be used in most applications, including lifting and transferring from a wheelchair, armchair, bed, bath, shower seat and toilet. The Tx 150 can also be used for lifting from the floor and for 90° rotation. It is suitable for clients in the Sitting, Sitting/Recumbent and Recumbent positions.

**Huntleigh Healthcare promotes safe Moving and Handling practices and recommends the Tx 150 is used only by a competent person who has read and fully understands the User Guide. The User Guide is an important document and forms part of the LOLER Thorough Examination. It should be readily available for reference at all times**

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## 3. Unpacking

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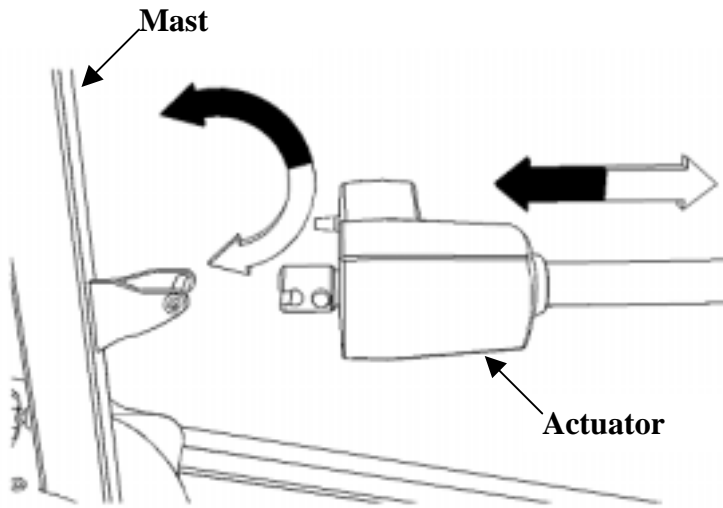
Remove the Tx 150 from the packing box.

**WARNING: Some of the component parts are heavy and you may require some assistance in lifting them from the box.**

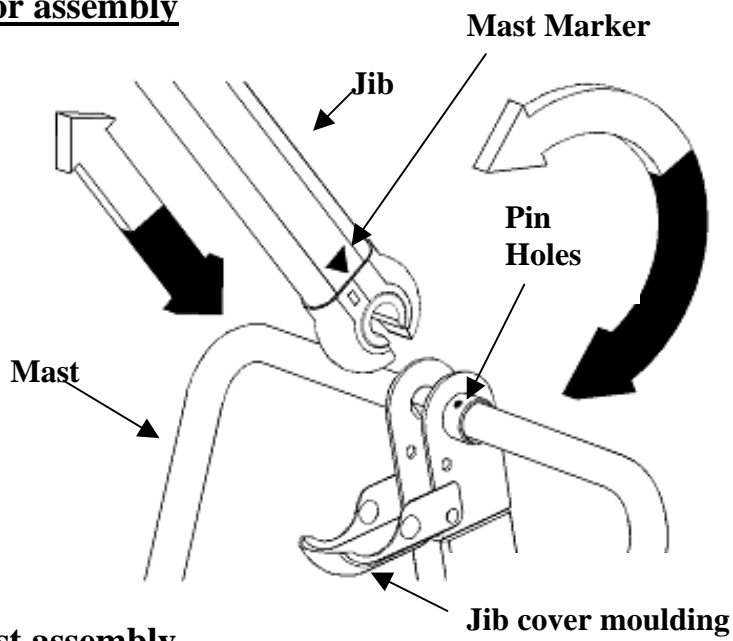
The packing box should contain the following parts:

- Wheeled base assembly.
- Spreader bar assembly
- Jib
- Mast and controller assembly
- Electric actuator
- Handset
- Battery pack
- Charger Lead
- Remote charger
- User Guide

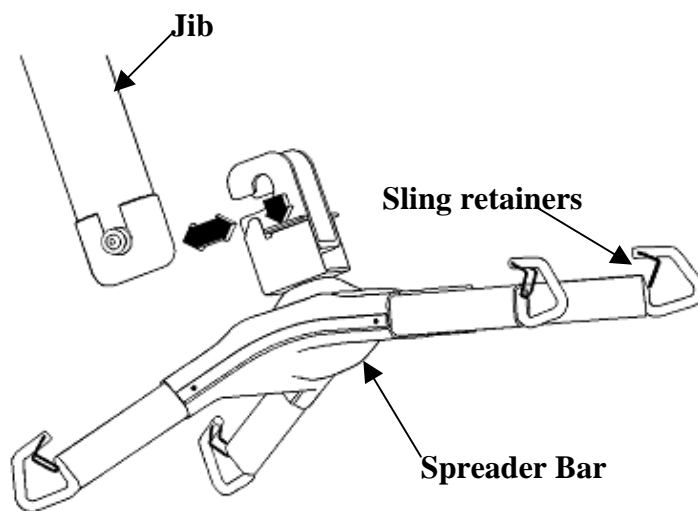
If any parts are found to be missing please notify your supplier immediately.



**Actuator assembly**



**Jib/Mast assembly**



**Spreader bar assembly**

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## 4. Assembly Instructions

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**WARNING: The Tx 150 is designed to be easily assembled, but before doing so please check that it complies with your local Moving and Handling guidelines**

### Assembly instructions

1. Place the base on the floor and apply the brakes on the rear castors.
2. Fit the mast over the spigot in the centre of the base. Make sure the mast is fully engaged with the spigot by checking the engagement label on the face of the mast. Fully tighten the mast retaining knob.

**WARNING: Avoid trapped fingers – Keep fingers away from the end of the mast when fitting to the spigot.**

3. Fit the electric actuator to the mast. The lower mounting point on the actuator is slotted. Align the actuator slot with the pivot pin on the mast (see illustration page 6) and fully engage. The actuator can now be swung into the upright position and leant against the mast.

**WARNING: Avoid trapped fingers – Keep fingers away from the open end of the actuator pivot when fitting to the mast pivot.**

4. Fit the jib to the mast. One end of the jib is slotted and this engages with the pivot pin at the top of the mast. Align the slot in the jib with the flat parts of the pivot pin (see illustration page 6) and fully engage. The jib can now be rotated into the normal working position. Snap jib cover moulding into place.

**WARNING: Avoid trapped fingers – Keep fingers away from the end of the jib when fitting to the pivot pin.**

5. Fit the actuator top mounting to the jib. Remove one keyring from the pin in the actuator mounting plate on the jib. Remove the pin. The actuator mounting plate on the jib now fits into the slotted end of the actuator. Align the pin holes. Re-fit the pin and replace the keyring.
6. Attach spreader bar to jib. Push down the safety latch on the spreader bar mounting point and slide the slotted sides over the mounting pin at the end of the jib (see illustration page 6). Release the safety latch and check the spreader bar is fully engaged with the jib pin and free to swing and rotate.
7. Electrical connections.  
Leg actuator lead (Black) from crossmember cover – plug into socket 2 on the underside of the control box.

Handset – plug into indexed socket on the underside of control box.  
Jib actuator – plug lead (White) into socket 1 on the underside of the control box. Check function of handset controls.

**WARNING: Make sure both keyrings on the actuator mounting pin are present and are correctly fitted.**

8 Release the brakes on the castors. The hoist is now ready to use

### **Disassembly of Hoist.**

1. Operate the spreader bar safety latch and remove the spreader bar assembly from the mounting point on the jib.
2. Lower the jib to the lowest working position.
3. Remove one keyring from the pin holding the actuator to the jib. Remove the pin.
4. Disengage the jib from the actuator and lean the actuator back against the mast. Lower the jib fully.
5. For safekeeping, fit the actuator pin through the actuator mounting plate on the jib and secure with the keyring.
6. Pull back the moulding covering the jib/mast pivot.
7. Swing the jib over on the pivot until the alignment mark on the jib label lines up with the pin holes in the handle (see page 6). Remove the jib from the pivot.
8. Unplug all leads from the control box.

**Caution: The actuator is not retained in any way at this point – only leant against the mast. Hold the actuator to prevent it from falling forward while unplugging.**

9. Swing the actuator forward, parallel to the floor, and disengage from the mounting point.
10. Remove the battery pack from the control box – pull up on the latch at the top of the battery pack and pull the pack away from the mast.

**Caution: The battery pack is heavy – make sure you have a firm hold of the battery pack before lifting it from the control box.**

11. Slacken the mast-locking knob and lift the mast from the base.
12. This is as far as the hoist can be disassembled without the use of tools.



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## 5. Operating Procedures

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### Safety Precautions

The operation and use of the Huntleigh range of client lifting hoists is simple and straightforward. However, in such a critical area of care a few safety precautions should be observed to ensure problem free lifting.

- It is important the carer is familiar with the controls and safety features of the hoist and sling before starting any lifting operations.
- Do not overload the hoist. The safe working load is clearly marked on the hoist and is stated in the User Guide.
- The hoist is for lifting persons, it should not be used for any other purposes.
- Do not push a loaded hoist over rough or uneven ground.
- Do not attempt to negotiate a slope exceeding 5°.
- Do not push a loaded hoist over an obstruction that the castors cannot easily ride over
- Do not bump a hoist down steps, loaded or unloaded.
- Use the handles to manoeuvre the hoist.
- If the hoist is difficult to manoeuvre because of the floor covering seek additional help.
- Do complete the Daily Check (see Section 6) before using the hoist.
- Do follow a regular routine for charging the hoist.
- Do not continue with a lift if the battery alarm is sounding. Lower the client and place the hoist on charge.
- Do not use a sling unless it is approved by the manufacturer for use on the hoist or an unapproved combination has been assessed by a competent prescriber.
- Do not attempt to lift a client positioned outside the wheelbase of the hoist.
- Always release the castor brakes before starting a lift.
- Regularly have the hoist thoroughly examined and serviced.

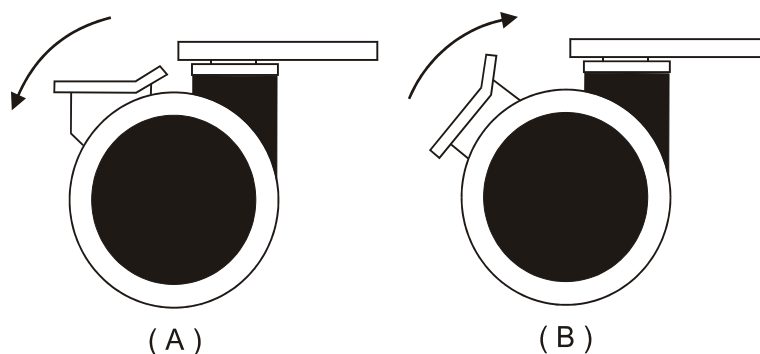
**Leg adjustment:** The leg adjustment is controlled from the handset. There are four push buttons, the lower pair are for leg adjustment. The left button opens the legs and the right button closes them. The amount of

opening or closing depends on how long the buttons are depressed. The actuator will cut out when the extremes of travel are reached.

**Note: The leg opening feature is for access around wheelchairs, armchairs, toilets etc. When moving a client the legs should be returned to the closed position as soon as practical. This will greatly assist in manoeuvring the hoist.**

### Braking

The rear castors are fitted with foot operated brakes. The brakes are provided for parking only and should never be used during lifting operations. Push down (see A) to lock, strike (see B) to release.



**WARNING: The brakes should always be set when the hoist is left unattended. This will prevent the hoist from moving if clients, who may be unsteady on their feet, use it as a support.**

### Raising and lowering.

Raising and lowering is controlled from the handset. The handset has four push buttons, the upper pair are for raising and lowering the jib. The buttons are marked with directional arrows. In either direction the hoist will stop the moment the button is released.

**Note: Avoid unnecessary raising and lowering, this will help to prolong battery life.**

### Emergency lowering

The Tx 150 is provided with both an electrical and a mechanical emergency lowering. Electrical emergency lowering is achieved by pushing a pointed probe, such as a pen tip, into the small aperture marked “EMERGENCY” on the front of the control box.

If this fails to operate then the jib can be lowered by pulling up the red moulding on the actuator itself.

**Note: This device is purely mechanical and will slowly lower the jib provided a weight of at least 50 kg is attached to the spreader bar.**

### **Low battery indicators**

If the hoist is used for long periods without charging the LED on the handset will illuminate, accompanied by an audible bleep each time the “UP” button is pressed. When this occurs, suspend lifting operations and place the battery pack on charge immediately. There is also a battery state indicator LCD on the front of the control box. This gives the actual battery capacity and indicates the level of charge in the battery.

### **Emergency Stop button**

To operate the emergency stop switch, press the red button on the control box. This will isolate all the electrical systems and bring the hoist to a halt. To reactivate; twist the red button clockwise and allow the button to return to the out or on position.

### **Charging**

The Tx 150 has a charger incorporated into the control box. This allows the battery to be charged without the need to remove it from the hoist. The battery can still be removed for charging away from the hoist if required, using the remote charger.

## **WARNING**

**Do Not Charge the Battery in a bathroom, shower room, hydrotherapy or swimming pool areas**

### **Charging away from the hoist.**

1. Removal of battery pack: Lift the battery retaining latch at the top of the battery and pull the pack towards you to disengage from the control box.
2. Plug the charger unit output plug into the socket in the base of the battery pack.
3. Plug the charger unit into a mains socket and switch on.
4. The battery will be charged automatically.

## Charging on the hoist

Plug the mains plug into a convenient mains socket. **Note:** Check the other end of the mains lead is securely plugged into the socket in the base of the control box.

Switch on the mains socket.

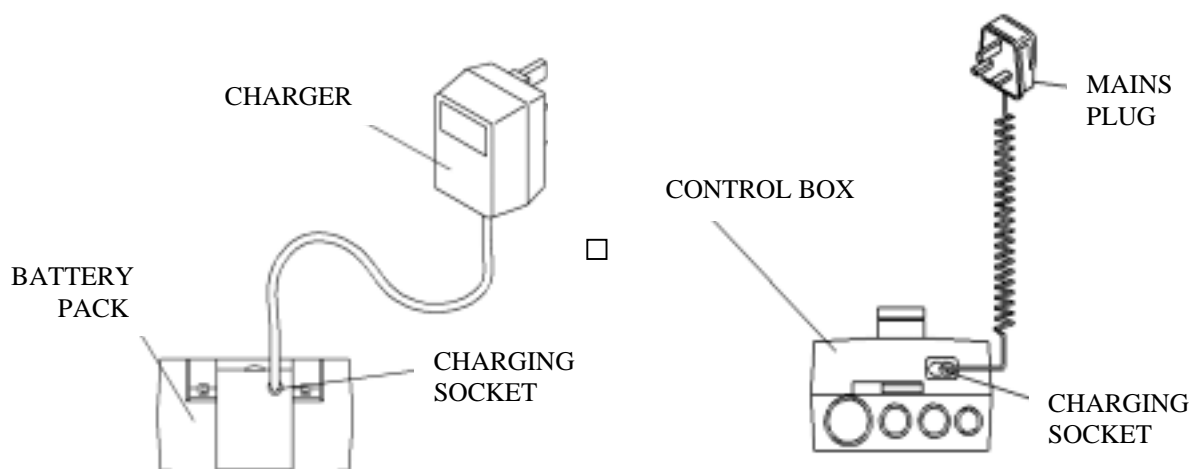
The green and orange light on the control box will illuminate. When the battery is sufficiently charged the orange light will be extinguished.

Switch off mains socket, the green light will go out indicating the power is off.

The mains lead can now be unplugged from the control box and the mains socket.

## Important Notes

- The battery pack will take approximately 4-5 hours to recharge using the integral charger and approximately 9-10 hours to charge from the remote charger
- The hoist will not operate when on charge. This is an intentional safety feature.
- Do not switch off at the mains and leave the mains plug still plugged into the socket. This will drain the battery. Switch the mains off and return the mains plug to the mast storage point.
- Do not wheel the hoist away with the mains lead still connected.
- Please plan daily recharging of the hoist, for example, overnight. This will not harm the charger in any way and the batteries cannot be “overcharged”. Regular charging will help to maximise performance and maintain battery life



**Charging sockets for integral and remote charging**

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## 6. Daily Check List

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The operation of the Tx 150 is simple and straightforward, however, it is important to make sure the hoist is in good working order before lifting a client. Following is a Daily Check List which will help to ensure a problem free lifting operation.

- Check the hoist moves freely on the castors and the brakes are functioning. **Note:** Before moving the hoist check it is not plugged into a wall socket for charging
- Check the spreader bar is firmly attached to the jib and is free to rotate and swing.
- Confirm the hooks on the spreader bar are not excessively worn.
- Confirm the sling retainers are in place and functioning.
- Check the keyrings are present and correctly fitted.
- Check the emergency stop button is operating.
- Check the actuator raises and lowers.
- Confirm the mast is fully engaged with the base spigot.
- Check the mast retaining knob is fully tightened.
- Confirm the battery alarm is not sounding. **Note:** If the alarm is sounding place on charge immediately
- Confirm the leg opening is functioning.
- Examine the sling for frayed straps, damage or tears to the fabric. Check stitching, particularly on the strap attachment points. **Note:** If in any doubt – Do Not use the sling.
- Check for sharp edges caused by damage, missing parts or wear. Do not use hoist until hazard has been eliminated.

<p><b>WARNING:</b></p>
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<p><b>The hoist should not be used on inclines greater than 5°</b></p>
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## 7. Lifting Operations

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**WARNING:**

**Ensure the sling straps are retained in the spreader bar hooks by the sling retainers before lifting.**

### Lifting from a Chair

- Position the sling around the patient, widening the hoist legs to allow them to surround the chair.
- Lower the jib and hook the sling onto the spreader bar, ensuring that all straps are attached.
- Lift the patient slightly off the chair, then stop and ensure that the sling is comfortably positioned.
- Once the patient is comfortable, continue lifting until they are clear of the chair.
- Withdraw the hoist.
- Stop and close the legs to the standard position for maximum safety during transit.

### To place a patient in a chair, simply reverse the process:

- Widen the hoist legs and position the hoist around the chair.



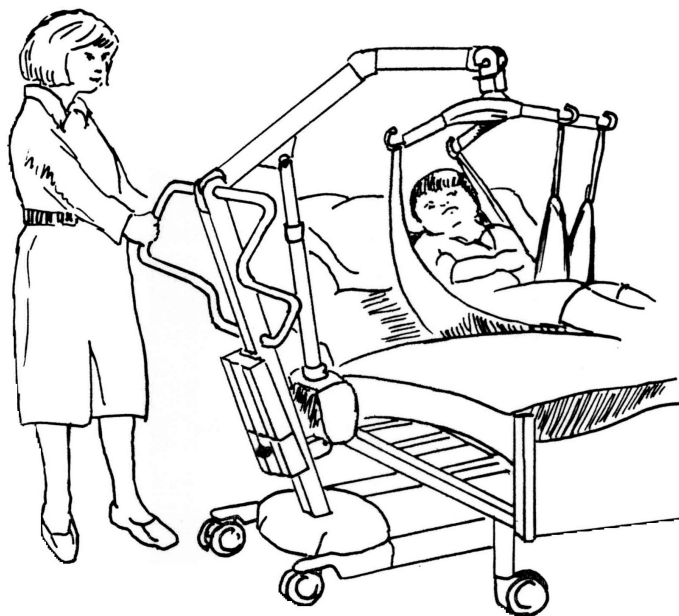
- Ensure that the patient is correctly aligned above the chair and gently lower.
- Make sure that the patient is correctly positioned at all times during descent.

### **Lifting from a bed**

- Roll the patient onto the sling, using the same technique as for a draw sheet.
- Manoeuvre the hoist under the bed.
- Lower the jib sufficiently to secure the sling to the hoist and attach all straps of the sling to the spreader bar.
- Lift the patient slightly off the bed and ensure that the sling is not causing discomfort. If so, return the patient to the bed and reposition the sling. Once satisfied with the position, begin lifting again.
- When the patient is sufficiently clear of the bed, pull the hoist away slowly.

### **To place a patient on a bed, simply reverse the process:**

- Push the hoist under the bed and ensure that the patient is correctly aligned over the bed.
- Gently lower the patient.
- Make sure that the patient is correctly positioned at all times during descent.

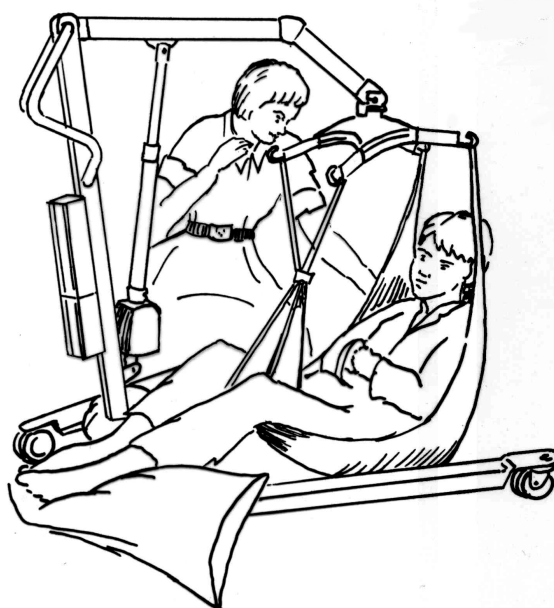


### **WARNING**

**The hoist should not be used on inclines greater than 5°**

## Lifting from the Floor

- Ensure that the patient is well enough to be lifted before attempting movement.
- Slide the sling carefully under the patient.
- Approach the patient with the open end of the hoist and lift the patient's legs over the base of the hoist. Protect the patient's legs with a cushion or similar soft object.
- Lower the jib and attach the sling straps to the spreader bar.



- Lift the patient gradually, making sure at all times that the sling is comfortable and that the patient is fully supported. If so, continue to lift as required.

**For further guidance, see label on sling or Sling User Guide - available from Huntleigh Healthcare upon request.**

**Caution: When lifting from the floor make sure the sling straps have not been passed under the legs of the hoist by mistake**



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## 8. Care of the Tx 150

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### Cleaning

**WARNING:**

**Before cleaning make sure the hoist is disconnected from mains power supply**

**Gloves and protective clothing should always be worn when carrying out cleaning procedures.**

All surfaces can be cleaned by wiping with a soft cloth moistened with hot water and a mild detergent. Rinse with a cloth moistened with clean water, dry with paper towels.

To remove potentially infectious material such as body fluids, or when used by a client with a known infection, clean afterwards with NaDCC (e.g. Precept, Actichlor) at 10,000 ppm of available chlorine. Rinse and dry. The Huntleigh Infection Control booklet is available on request.

**Cautions**

**Avoid wetting electrical contacts, plugs, sockets etc.**

**Do Not use Hypocarbonate or Phenol based cleaning agents**

**Do not use abrasive compounds or pads.**

**Tests show undiluted Dettol may damage paint and plastic parts if prolong contact is allowed.**

**Spreader bar cover.** The spreader bar cover can be removed for cleaning. The cover is retained by four plastic rivets. These can be removed by pulling up on the heads and withdrawing complete rivet from the cover. The rivets can be reused to secure the cover

**Slings.** See label on sling or Sling User Guide - available from Huntleigh Healthcare on request.

**Care of the Batteries.** Please plan daily recharging of the hoist, for example, overnight. Ideally the hoist should be placed on charge whenever not in use. This will not harm the charger in any way and the batteries cannot be “overcharged”. Regular charging will help to maximise performance and maintain battery life.

**WARNING**

**Never dispose of the battery pack in fire as this may cause it to explode. If in doubt, contact Huntleigh Healthcare.**

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## 9. Maintenance

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Huntleigh Healthcare recommend the Huntleigh range of patient lifting devices and lifting accessories receive a thorough six-monthly examination and test. We recommend the examination and test is carried out by a competent person. This product should also receive a full service once a year.

Huntleigh Healthcare can offer this after sales care, please ask for our Flexi-Serve brochure, which contains details of the full range of service and maintenance contacts on this product.

This is in line with the requirements of No2307 Health and Safety: The Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)

The examination, tests, servicing and repairs should be carried out according to the recommendations detailed in the hoist Service Manual which is available upon request.

### **IMPORTANT**

**During the 12-month warranty period, the electrical components must not be opened or tampered with, as this will invalidate the warranty.**

### **WARNING**

**Use only Huntleigh Healthcare approved parts for repair or replacements.**

### **First Line Maintenance (For more detail please refer to Service Manual)**

#### **Spreader Bar**

Check for:

- Freedom of rotation and swing.
- Wear on the spreader bar/jib suspension point
- Wear on the central pivot.
- Secure attachment to the jib.
- Effective function of the safety latch
- Excessive wear on the sling hooks.
- Sling strap retainers effective function.

Maintenance – lubricate main suspension point and central pivot. Replace missing or damaged parts.

### **Jib:**

Check for:

- Minimal side movement of the jib and alignment with the centreline of the hoist
- Jib is free to rotate on the jib/mast pivot.
- Wear on the jib/mast pivot.
- Wear on the actuator mounting plate and retaining pin
- Correct fitting of the keyrings on the actuator retaining pin.
- Damage to jib end mouldings.

Maintenance – lubricate jib/mast pivot and actuator mounting. Replace missing or damaged parts.

### **Mast:**

Check for:

- Mast fully engaging with the mast spigot.
- Correct operation of the mast-locking device.
- Wear on the actuator mounting point.

Maintenance – lubricate the actuator mounting point. Replace missing or damaged parts.

### **Electric controls, plugs and sockets.**

Check:

- Emergency Stop button cuts all power. Confirm power is restored when the switch is reset
- Handset for correct functioning – raise/lower and leg opening.
- Fit of the hand control plug and socket.
- For damage to charging socket.
- Functioning of the emergency descent button.
- Fit of actuator plugs and sockets
- For damage to cables and leads

Maintenance – Replace missing, malfunctioning or damaged parts.

### **Electric actuator.**

Check:

- Smooth operation in both directions.
- Power cuts out at the ends of travel.
- For unusual noise which may indicate future break down
- Correct functioning of actuators fitted with an emergency down mechanism.
- Anti-crush precautions are operational.

Maintenance – No first line maintenance required. Replace if malfunctioning.

## **Batteries and Charging unit.**

Check for:

- Low battery alarm when operated. If sounding, place on charge and confirm charging is taking place.
- The fit of the charger plug to the hoist charging socket.
- Hoist inoperative when the charger is being used.
- Charger unit is charging the hoist.
- Mains plug fitted with the correct rated fuse.
- Damage to the input and output lead wiring

Maintenance – No first line maintenance required. Replace parts if malfunctioning.

## **Leg adjustment**

Check for:

- Correct operation of handset and confirm smooth opening and closing of both legs.
- Excessive movement of the legs. Investigate cause.
- Legs are parallel to each other and the centre line of the hoist.

Maintenance – Replace missing, malfunctioning or damaged parts.

Lubricate the actuator pivot point.

## **Leg pivots**

Check for:

- Freedom of leg pivot. Any stiffness must be investigated. Strip out the leg pivots and lubricate with a light mineral-based grease if in any doubt.
- Excessive play in the leg pivots.
- Leg pivots are retained securely.

Maintenance – Replace missing, malfunctioning or damaged parts.

Lubricate the pivot points.

## **Castors**

Check:

- All castors for firm attachment to the legs.
- For free rotation of the castor and the wheels.
- For threads, hair or fluff around the wheels or swivel. Remove any build up.
- For correct operation of the brakes.
- Check leg buffers for damage.

Maintenance – Replace missing, malfunctioning or damaged castors.

Lubricate swivel and axle bearings.

## **Sharp edges**

Check for any sharp edges caused by damage, wear or missing parts.

Maintenance – Take whatever action necessary to eliminate sharp edges

## **Slings**

Check:

- Load bearing straps for wear or fraying.
- Straps are securely stitched.
- Body of the sling for wear or cuts in the fabric.

Maintenance – No first line maintenance required. Replace sling if excessively worn or damaged.

### **LOAD TEST:**

**A load test should be carried out in accordance with the manufacturers test procedures. It is strongly recommended that any maintenance, repair, thorough examination or testing is carried out by a competent person.**

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## 10. Slings for the Tx 150

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Choice of the correct sling is essential for comfortable and safe lifting. Huntleigh Healthcare offer the Porta™ range of popular slings which are suited to most users. In the case of special needs Huntleigh are pleased to quote for individual specifications.

### Sling Selection

When selecting which sling to use there are five issues to consider:

#### 1. Client weight

All the Porta™ slings can be used on the Tx 150 hoist.

#### 2. Material.

Slings are available in polyester close knit weave or mesh textured style. For general usage the close knit weave is recommended. For bathing, or other purposes where water drainage is required, the mesh textured material should be used.

#### 3. Sizes

The Porta™ slings are colour code according to size.

Paediatric            Red with yellow strap.

Small                 Red.

Universal            Green.

Large                 Blue.

Extra Large         Navy Blue.

#### 4. Type

There are four types of Porta™ slings

Sling with head support

Neck roll sling

Toileting sling

Long seat sling.

#### 5. Client position

The Porta™ slings have from three to five loops fitted at each of the four lifting points. These loops allow the client to be positioned in an upright or reclined position.

## **WARNING**

**Before using, check slings for damage, tears in the fabric, frayed straps and broken stitching.**

**If in doubt – Do Not Use.**

### **Sling Interchangeability.**

Questions are often asked regarding the interchangeability of hoists and slings. The answer often depends on the products concerned and normally falls in the following areas.

#### **Huntleigh Hoists and Slings.**

As the manufacturer of both the hoist and the sling we are required by the Medical Devices Directive 93/42/EEC to reduce the risk associated with both products to an acceptable level. This includes a risk assessment regarding the compatibility of the hoist and sling. All Huntleigh hoists and Porta™ slings are interchangeable.

#### **Hoists and Slings from other manufacturers.**

With the ever-increasing number and variety of hoists and slings in the market place, Huntleigh are not in a position to carry out risk assessments on all possible combinations, since both hoist and sling must be available to properly perform this assessment. We are unable, therefore, to make any statement regarding the compatibility of hoists and slings other than the ones we manufacture ourselves.

However, should a competent person carry out an appropriate risk assessment and is confident the hoist and sling can be used together safely then that decision and responsibility is quite rightly with the prescriber.

Huntleigh would add that this assessment must consider features such as general dimensions, safe working load, fittings, sling age and the sling should be inspected, before use, for wear and tear. If in doubt, seek advice.

## 11. Troubleshooting Guide

Symptom	Possible Cause	Remedy
Nothing happens when the handset buttons are pressed	<ol style="list-style-type: none"> <li>1. Emergency stop button pressed in.</li> <li>2. Handset not plugged in</li> <li>3. Bad contact on handset.</li> <li>4. Battery fuse blown.</li> <li>5. Charger connected.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset Emergency stop switch.</li> <li>2. Plug in correctly</li> <li>3. Change handset</li> <li>4. Call Service Engineer</li> <li>5. Unplug charger</li> </ol>
Hoist lacks lifting power	<ol style="list-style-type: none"> <li>1. Battery low</li> <li>2. Actuator failing</li> <li>3. Control box failing</li> </ol>	<ol style="list-style-type: none"> <li>1. Charge battery</li> <li>2. Call Service Engineer</li> <li>3. Call Service Engineer</li> </ol>
Actuator stops intermittently during raising	<ol style="list-style-type: none"> <li>1. Load too heavy</li> <li>2. Battery low</li> <li>3. Actuator overheating</li> <li>4. Actuator failing</li> <li>5. Control box failing</li> </ol>	<ol style="list-style-type: none"> <li>1. Check Safe Working Load of hoist</li> <li>2. Charge battery</li> <li>3. Allow to cool (30 mins) and try again</li> <li>4. Call Service Engineer</li> <li>5. Call Service Engineer.</li> </ol>
Actuator noisy	<ol style="list-style-type: none"> <li>1. New actuator – grease unevenly distributed (not run in)</li> <li>2. Old actuator – unit failing</li> </ol>	<ol style="list-style-type: none"> <li>1. Cycle actuator on no load &amp; on light load</li> <li>2. Call Service Engineer</li> </ol>
Actuator runs but does not lift	Gears damaged	Call Service Engineer
Actuator only runs in one direction	<ol style="list-style-type: none"> <li>1. Control box failure</li> <li>2. Handset switch failure</li> <li>3. Handset lead, plug or socket damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Call Service engineer</li> <li>2. Replace handset</li> <li>3. Replace handset</li> </ol>
Battery will not charge	<ol style="list-style-type: none"> <li>1. Mains lead unplugged</li> <li>2. Mains socket not switched on</li> <li>3. Mains lead damaged</li> <li>4. Mains fuse blown</li> <li>5. Battery fuse blown</li> </ol>	<ol style="list-style-type: none"> <li>1. Plug in mains plug.</li> <li>2. Switch power on</li> <li>3. Replace mains lead</li> <li>4. Replace fuse (once only)</li> <li>5. Call Service engineer</li> </ol>



Battery will not charge – continued	6. Battery not seated on control box correctly 7. Battery discharged below minimum level 8. Battery charger failed	6. Reseat battery and check latch is engaged 7. Call Service Engineer 8. Call Service engineer
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


### User Spare Parts List

1. Spreader bar assembly	803.49
2. Actuator (raise /lower)	803.67
3. Actuator (leg opening)	S9010
4. Handset	L9704-0048
5. Battery Pack	L9704-0041
6. Control Box	L9704-0047
7. Charger Cable	L9704-0045
8. Remote Charger	L9014-3030
9. Front castors	L9605-0070
10.Rear castors	L9605-0211
11.User Manual	800-099-1
12.Sling User Guide	800-096-1
13.Service Manual	800-100-1
14.Flexi-serve brochure	-----
15.Infection Control brochure	LIT442/02

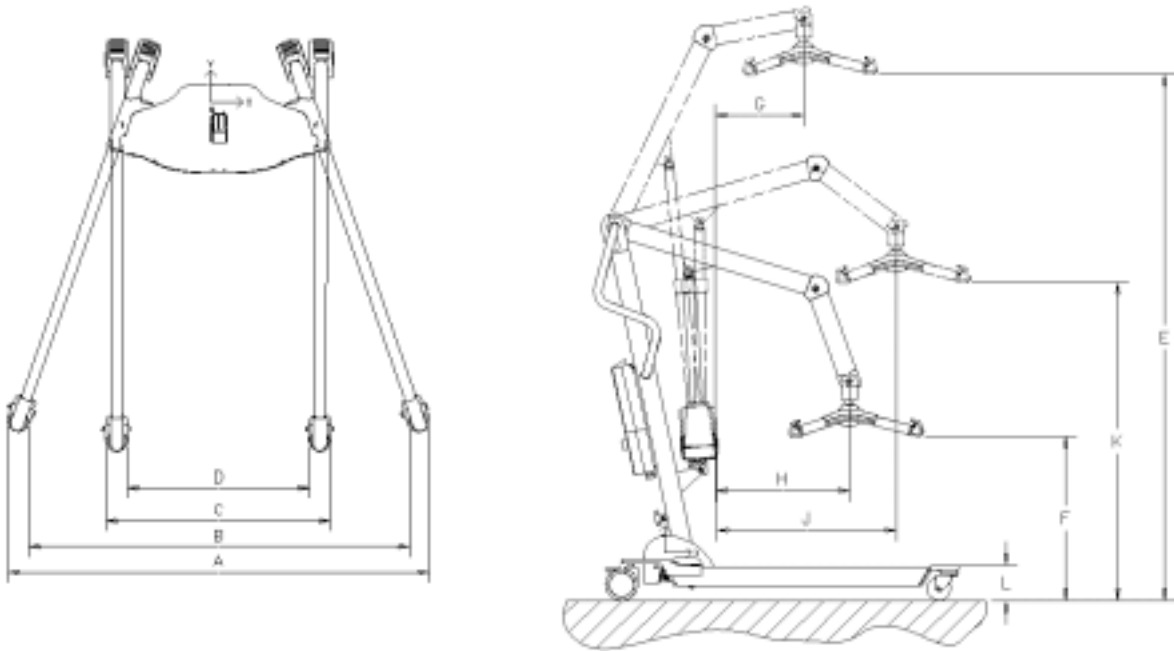
### **WARNING**

**Use only Huntleigh Healthcare approved parts for repair or replacements.**

## 12. Technical Specifications

Product Name	The Huntleigh Tx 150
Product Code	TX150
EEC Directive compliance	93/42/EEC the Medical Devices Directive
Applicable Standard	BS EN ISO 10535: 1998 Hoists for the transfer of disabled persons
Device Classification	Class I
Mode of Operation	24VDC Linear Actuator - 350 mm stroke
Integral Charger CBJ2 Input	100-240VAC 50/60 Hz
Integral Charger CBJ2 Output	400mA max @ 24VDC
Remote Charger CH08 Input	220-240VAC or 100-110VAC 50/60 Hz.
Remote Charger CH08 Output	300mA max @ 24VDC
Hoist Input	6A max @ 24VDC
Electric Shock Protection	Chargers - Class II  Hoist – Internally Powered Equipment
Type of Shock Protection	Chargers – Type B  Hoist – Type B 
Battery pack (BAJ2)	24VDC 2.9 AH Rechargeable Lead Acid
Duty Cycle	10% Intermittent (6 mins per hour)
Operating temperature	+5°C to +40°C





## Specifications

Safe Working Load (SWL)	150kg–330lbs–23.5 stone
Maximum overall height	1830 mm
Minimum overall height	1230 mm
Maximum overall length	1190 mm
Minimum overall length	1155 mm
External width – legs open – A	1145 mm
Internal width – legs open – B	1030 mm
External width – legs closed – C	605 mm
Internal width – legs closed - D	495 mm
Spreader bar maximum height – E	1620 mm
Spreader bar minimum height – F	467 mm
Lifting range	1153 mm
Reach at maximum lift – G	330 mm
Reach at minimum lift – H	375 mm
Maximum reach – J	560 mm
Lift at maximum reach - K	1010 mm
Leg height - L	113 mm
Minimum base clearance	40 mm
Turning radius	650 mm
Front Castors	75mm Twin
Rear Castors	100mm Twin braked

<b>Weights</b>	
Spreader bar assembly	2.2 kg
Jib assembly	3.4 kg
Raising and lowering Actuator	5.7 kg
Mast and control box	8.7 kg
Base assembly	15 kg
Battery pack	3 kg
Total weight of assembled hoist	38 kg

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### 13. Symbols

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**Refer to User Manual**



**Class II - Double insulated**



**Electric Shock Protection - Type B**



**Mast Engagement Line**

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## **14. Warranty & Service**

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Huntleigh Healthcare standard terms and conditions apply to all sales. A copy is available upon request. These contain full details of warranty terms and do not limit the statutory rights of the customer

Huntleigh Healthcare recommends the Huntleigh range of patient lifting devices and lifting accessories receive a thorough six-monthly examination and test. We also recommend the examination and test is carried out by a competent person. This product should also receive a full service once a year.

Huntleigh Healthcare can offer this after sales care, please ask for our Flexi-Serve brochure, which contains details of the full range of service and maintenance contracts on this product.

This is in line with the requirements of No2307 Health and Safety: The Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)

The examination, tests, servicing and repairs should be carried out according to the recommendations detailed in the Hoist Service Manual which is available upon request.

For service, maintenance and any questions regarding this, or other Huntleigh products, please contact:

Huntleigh Healthcare Ltd.  
Service Centre  
310-312 Darrow Road  
Luton  
Bedfordshire LU1 1TD  
England

Tel: +44 (0) 1582 745777

Fax: +44 (0) 1582 745869

Or your local distributor

## NOTES

## NOTES

Manufactured in the UK by Huntleigh Healthcare Ltd.  
Woden Road West, Wednesbury, West Midlands, WS10 7BL. England.  
Tel: +44 (0) 121 556 1511  
Fax: +44 (0) 121 502 2092

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As our policy is one of continuous development Huntleigh Healthcare Ltd. reserves  
the right to change the specification without notice.

Huntleigh Healthcare Limited Moving and Handling Products Division.  
Registered office : 310 - 312 Dallow Road, Luton, Bedfordshire, LU1 1TD  
Registered Number : 942245 England.

800-099-1 05/02