

**EZ Transport Chair**<sup>®</sup> by Harris Medical  
**OPERATOR'S MANUAL**

**RH 3500B**

THIS PRODUCT HAS BEEN FDA CLEARED & REGISTERED

**RH3500B  
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## **Introduction**

Thank you for purchasing the RH3500B EZ Transport Chair. This product is manufactured and tested to the highest standards.

Harris Medical, LLC products are specifically designed and manufactured for use in conjunction with Harris Medical, LLC accessories. Accessories designed by other manufacturers have not been tested by Harris Medical, LLC and must not be used with our products.

To ensure that you obtain maximum benefit from the RH3500B EZ Transport Chair, please take a few minutes to read the enclosed information regarding operation and maintenance. After reading this manual, store it in a safe place for future reference.

If you have any problems please contact:

**EZ Way, Inc.**

PO Box 89  
Clarinda, IA 51632

**Telephone:** 800-627-8940 press 3 for Service

**Email:** [sales@ezlifts.com](mailto:sales@ezlifts.com)

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

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## Warranty

EZ Way warrants this product to be free of defective materials and faulty workmanship for a period of 12 months and further warrants frame for additional 12 months.

## Specifications

The RH3500B EZ transport Chair is designed to be used in a healthcare environment and is manufactured and tested to the highest standards. The RH3500 EZ Transport Chair has been tested and passed in accordance with Annex A, B, C and E of ANSI/RESNA WC-4:2012, Section 19: Wheelchair Used as Seats in Motor Vehicles.

The RH3500 is constructed primarily out of aluminum.

The Main Frame is manufactured from aluminum, which while being strong is also lightweight: this aids in the easy movement of the Chair.

The armrest / side rails are manufactured from steel to provide strength to the Chair.

It is advisable that this product is inspected and serviced every twelve months, or as needed.

### **Information disclosure in manufacturer's specification sheets**

**Manufacturer:** HARRIS MEDICAL, LLC

**ADDRESS:** 8909 SE MARINA BAY DRIVE, HOBE SOUND, FL 33455

**Model:** RH3500B EZ TRANSPORT

**Maximum Occupant Mass:** 500 LBS

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Disclosure Information	Min	Max	
Static stability forward –wheels unlocked (manual wheelchairs only)		20*	
Static stability rearward –wheels unlocked (manual wheelchairs only)		20*	
Static stability anti-tip – wheels unlocked (manual wheelchairs only)		20*	
Static stability sideways –wheels unlocked (manual wheelchairs only)		6*	
Overall length		73 in	
Overall width		27 in	
Stowage length		45 in	
Stowage height		53 in	
Total mass		172lb	
Required width of right angles corridor		48 in	
Seat plane angle		4*	
Effective seat depth		20 in	
Effective width		24 in	
Seat surface height at front edge	20 in	29 1/4	
Back support angle	0*	85*	
Leg to seat surface angle	0*	85*	
Arm support height		5 in	
Front location of arm support structure from front of seat		6 in	
Static, impact and fatigue testing requirements (pass/fail)		PASS	
Resistance to ignition – requirements (pass/fail)		PASS	

- \* Asterisk stands for degrees

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## Operating Guidelines

### **Indication for Use:**

The RH3500B EZ Transport Chair is intended to transport patient to, from and within acute, alternative and long term care facilities. The device can be operated indoors on carpeting, linoleum and other floors and on sidewalks. The RH3500 EZ Transport Chair is controlled, steered and operated completely by a trained caregiver.

### **The maximum weight of the patient must not exceed 500 lbs.**

This wheelchair complies with WC19 (RESNA WC-4:2012, Section 19).

### **WARNINGS:**

The word “**Warnings**” refers to hazards or unsafe practice that may cause severe injury or death to you or to another person. The warnings are in four main sections as follows:

#### **1. General warnings:**

Never exceed the weight limit of 500 pounds for combined weight of occupant and items carried.

Before using the chair, you should be trained in the safe use of this chair

Never operate the chair in roads, streets or highways.

Never attempt to pull the EZ Transport Chair. It must be pushed at all times.

Never use to go up or down inclines of greater than 6 degrees.

Never attempt to go up or down stairs.

Never use an escalator to move an EZ Transport Chair between floors.

Never attempt to move up or down inclines with water, ice or oil film.

If you fail to heed these warnings damage to the chair, a fall, tip over or loss of control may occur and cause severe injury to the rider or others.

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## **2. Warnings-Falls and Tip – Overs**

The chair should be at the lowest level before moving the chair.

Never attempt to tilt the EZ Transport Chair in any manner that could cause wheels to come off the ground.

Never transfer patient in/out of the EZ Transport Chair unless the brakes are applied and chair is in the lowest level.

Never move the EZ Transport Chair with a patient onboard, until the two armrests are in the upright and locked position.

Do not try to climb or descend a curb or step.

If you fail to heed these warnings damage to the chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

## **3. Warnings –Safe Use:**

Riding on a slope which includes a ramp or a side hill, will change the center of balance.

Inspect and maintain this chair.

If you detect a problem, make sure to service or repair the chair before use.

Entrapment may occur between or under armrests / side rails. Please use extreme caution.

## **4. Warnings- Motor Vehicle Safety:**

This wheelchair complies with WC19 (RESNA WC-4: 2012, Section 19)

Never exceed the weight limit of 300 pounds for combined weight of patient and items carried.

Only use WTORS (Wheelchair Tie Down and Occupant Restraint System) which meets the requirements of WC18 (RESNA WC-4: 2012, Section 18) or meet the requirements of SAEJ2249.

Attach occupant restraints in accordance with the manufacturer's instructions.

If you fail to heed these warnings damage to the chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

## **5. Always make sure seat back is in upright position and locking bars (located on back of chair) is locked in place while transporting in motor vehicle.**

## **Cautions:**

The word **CAUTION** refers to hazards or unsafe practice that may cause injury to you or to another person.

The EZ Transport Chair should always be used by trained staff at all times, which is the responsibility of the chair's owner.

The EZ Transport Chair must only be used for the purpose for which it was designed.

We recommend that all staff using the EZ Transport Chair receive appropriate manual handling training which includes relevant risk assessments.

It is highly recommended that the seat belt / lap belt be used during all movement and vehicle transport. Nevertheless, facility transport policy takes precedence.

**NEVER** leave a patient unattended in EZ Transport Chair. **ALWAYS** comply with local regulations with regards to manual handling and patient safety policies, including vehicle transportation policies.

**DO** make sure chair is in full upright position when transferring sitting patient and fully supine when laterally transferring from bed or table. Be sure to lock wheels when transferring

EZ Transport Chair users can be transported in specially equipped vehicles for non-ambulatory patients, make sure seat back is in full upright position and seat back lock is engaged when in transport vehicle.

*Always refer to and comply with your facility's patient movement policy*

## **The FDA recommends that the following actions be taken to prevent death and injuries from entrapment or asphyxiation with side rails:**

Inspect the chair frame as part of a regular maintenance program to identify areas of possible entrapment. Leave no gap wide enough to cause possible entrapments of patient's head or other body part. Be aware that gaps can be created while in use by factors such as movement or compression of the seat cushion, which may be caused by patient weight, patient movement or chair position.

Patients at high risk for entrapment include those with pre-existing conditions such as confusion, restlessness, lack of muscle control or a combination of these factors.

## **INTRODUCTION**

### **Armrest /Side Rails**

Armrests have been fitted to both sides of the chair. These devices aid comfort while sitting in the chair, and help the patient to stabilize themselves while being assisted into or out of the chair. They also act as safety rails in supine position. Custom armrest pads provide for proper positioning for Dialysis and Chemotherapy.

The armrests /side rails can also be lowered to allow for lateral transfer of patient from one surface to another and patient access.

To change positions, push button on bottom of rail and rotate towards front of chair to lower, reverse process to raise listen for audible click when locked in place.



## **Operating/Starting Instructions**

**Braking System** – The chair is fitted with 3 braking castors, these are fitted at (3) corners of the chair. To apply the brake, press large lever down, to release the brake press lever up.

4<sup>th</sup> wheel (right front) is a steering wheel that locks and unlocks.

## **Patient Transfer to Chair**

**ALWAYS** comply with local regulations with regards to manual handling and patient safety policies including vehicle transportation policies.

**DO** ensure that patient does not weigh more than 500 lbs.

**DO** make sure chair is in full upright chair position when transferring sitting patient and fully supine when laterally transferring from bed or table.

If patient is being laterally transported onto chair from side, ensure relevant armrest / side rail is down.

**DO** ensure that both armrests / side rails are in the upper locked position before moving patient.

## **Adjusting Chair between Positions**

To raise and lower back / head section, depress tab at top right corner of head section (facing chair). This releases the lock on gas-assisted lift. Then, adjust for desired angle, by pressing down on section.

To raise and lower foot section, depress button at right side of foot section, by pressing on the section.

To raise side rail/armrest, rotate rail upward and lock in place.

To lower side rail/armrest, lift on rail and rotate to lowered position.

To release caster wheels, use foot to push on TAB to release brake.

To lock caster wheels, use foot to push on TAB to engage brake.

It is strongly recommended that all brakes be engaged when a patient is being transported in vehicle and when chair is in stationary mode or when changing chair positions lifting or laterally transferring patient.

### **Adjusting Chair to Convert to an Exam Table**

Wheel the chair into Exam Room in upright position, unlock safety bar lock. Chair converts to stretcher position by lowering back of chair and raising foot section.

Chair can then be lowered and set back up as a chair by reversing back instructions

### **Adjusting Chair to be used as Dialysis Chair**

Wheel the chair into place in Dialysis Center, release chair back lock to enable back to be adjusted to desired angle.

Adjust foot section to desired angle.

“In Case of Shock” chair can be easily and quickly put into “Trendelenburg Position” by first putting chair back in full reclining position ***with patient in the chair*** then pulling out completely the **(T)** handle on the right side of seat of chair and depressing TAB under front right side of seat section and lifting upper frame upwards towards head of chair. “Trendelenburg Position” will automatically stop at full “Trendelenburg” or any angle degree by releasing TAB at desired angle.

To reverse, put chair back into full upright position, ***with patient in chair*** depress Trendelenburg TAB located under front edge of seat section on (right side), and push down to full lowered starting position release TAB and replace the (T) handle to original position with resident in chair.

NOTE: Degree of “Trendelenburg angle, controlled by releasing TAB at desired angle. (max. angle 21\*).

Trendelenburg release TAB is **bright red in color** for ease in locating.

## **Use as a Seat in Motor Vehicles**

The RH3500 EZ Transport Chair “Complies with WC-19\* (i.e. With RENSA WC-4: 2012 Section 19).

People who use wheelchairs should transfer to the vehicle seat and use the vehicle – installed occupant – restraint system when this is feasible.

This wheelchair is designed specifically for forward – facing use in motor vehicles.

This chair should only be used with a WTORS (Wheelchair Tie- down and Occupant Restraint System) that complies with WC-18.

Be advised that the RH 3500B wheelchair is not design for children who weigh less than 51 lbs.

WTORS (Wheelchair Tie-down and Occupant Restraint Systems) are available from:

- Q’ Straint America
- # Q-8301-SC
- QRT Max with slide N’ Click
- Hardware for top and bottom Floor Anchorage Q8-7580-A
- Q’ Straint telephone number 800-987-9987

## **Use of the Pelvic belt restraint**

The pelvic belt restraint should be worn low across the front of the pelvis and in contact with the tops of the thighs near the thigh-abdominal junctions. The angle of the restraint should ideally, be between 45\* and 75\* to the horizontal.

The locations of the belt restraint anchor points are on the side of the wheelchair at the outer end of the pelvic belt. To properly attach lower end of a vehicle anchor shoulder belt with standard connector to the chair anchored pelvic belt. Bring shoulder belt over occupant shoulder and slip shoulder belt end connector over the pelvic belt shoulder belt pin bushing, making sure it attaches firmly and adjust tension by pulling down on long side of the shoulder belt that passed through shoulder belt retractor making sure it is snug to occupant, consistent with occupant comfort.

The WTORS (Wheelchair Tie Down and Occupant Restraint System) should not be routed outside of the wheelchair or over the chair arms or held away from the body by any components. But, in direct contact with the occupant's body. The upper torso (shoulder) should fit directly over and in contact with the middle shoulder. The junction of the shoulder and pelvic belt of the three point belts should be located near the hip opposite to the shoulder over which the shoulder belt crosses and not near the midline of the occupant.

The WTORS (Wheelchair Tie Down and Occupant Restraint System) should be adjusted as snugly as possible, consistent with occupant comfort, and should not be twisted in a manner to reduce the area of contact of the belt webbing with the occupant.

## **Rating**

Ratings for RH3500 are as follows: Required by RESNA WC-4: 2012 section 19.

- The rating for ease of properly positioning the belt restraint is Acceptable
- The rating for the degree to which proper belt restraint positioning was achieved is Excellent
- The rating for the test of wheelchair lateral stability is good.

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**Safety Inspection**

It is strongly recommended that the following checks be carried out on a weekly basis by facility personnel to ensure trouble free operations of the RH3500B EZ Transport Chair:

- Check that the EZ Transport chair runs straight (no excessive drag or pull to one side).
- Ensure that there is no excessive side movement of front wheels when EZ Transport Chair is lifted and wheels spin.
- Inspect seat and back upholstery for sagging or other damage.
- Inspect for any broken or loose parts.
- Inspect for damage to tire and wheels generally.
- Check for correct operation of brakes.
- Check casters for free movement and rotation, remove any debris caught in the caster.
- Check armrest for correct operation and damage to padded section.
- Replacement Pelvic Belts are available from the company, part number S-5-6369-8

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### **CLEANING INSTRUCTIONS**

Prior to disinfecting, the surfaces should be cleaned with soap and water, rinsed with clean water and air dried or dried with paper towels.

For institutional use, it is recommended that the upholstery be cleaned in accordance with facility's infection control / cleaning policies.

For all other uses when using disinfectant chemicals to sanitize the EZ Transport chair, it is important to first read all disinfectant solution labels, which will tell you the important facts. Some disinfectants that are effective against Staphylococcus Aureus or "Staph" are most likely also effective against "MRSA" You may obtain any variety of germ fighting products from your janitorial supplier. Most product labels will list the types of germs that they will eliminate. Use disinfectants that are registered by the EPA (check for an EPA registration number on the product's label to confirm that it is registered). You may also find information on methods of application and contact time to various material types on the disinfectant labels.

When chair is used outside of licensed health care facility where there is protocol for cleaning/disinfecting, chair can be cleaned using any available detergent (i.e. Dial liquid detergent) to lift dirt and germs so that they can be rinsed away with water. Chair can then be disinfected using any available disinfectant (i.e. Lysol Liquid Disinfectant) that destroys or inactivates germs and prevents them from growing. **Under no circumstances should bleach or any product containing bleach be used on upholstery.**

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**Servicing Device**



Is recommended that the EZ Transport chair is serviced yearly according following the preventative maintenance checklist. Failure to comply with this could compromise both the continued trouble free operation and safety

*There is no Service Manual available for this product.*