



positioning  
patients for life.®

# PRODUCT GUIDE & USER MANUAL

RT-4525L – AccuFix™ Cantilever Board™

RT-4525L-01 – AccuFix™ Cantilever Board™  
with Virtual Indexing™

RT-4525LMRI – AccuFix™ Cantilever Board™  
MRI Compatible





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Fibreplast® is registered trademark of Qfix.

Aquaplast RT, AccuFix, Cantilever Board, Virtual Indexing, and Shoulder-Locs are trademarks of Qfix.

MOLDCARE is a trademark of ALCARE CO, LTD.

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# GENERAL PRECAUTIONS

## WARNING STATEMENTS

**! WARNING ! NO MODIFICATION OF THIS EQUIPMENT IS ALLOWED. IF ANY PART OF THIS DEVICE EXPERIENCES A CATASTROPHIC LOAD, APPEARS DAMAGED OR FUNCTIONS IMPROPERLY, DISCONTINUE USE IMMEDIATELY AND CONTACT QFIX AT +1 484-720-6054 OR TECHSUPPORT@QFIX.COM.**

**! WARNING ! SCALES ON THE ACCUFIX™ CANTILEVER BOARD™ ARE FOR REFERENCE USE ONLY.**

## SERIOUS INCIDENTS

Please report any serious incidents (e.g. incidents which result in or have the potential to result in death or serious injury) to both Qfix and your country's Competent Authority.

## ADDITIONAL WARNINGS

- Always secure the AccuFix™ Cantilever Board™ to the treatment table using the appropriate indexing adapters. Refer to the Installation Guide And User Manual for the Indexing Adapters (P/N 2002950) for installation instructions, specifications, warnings, cautions, and other general precautions related to the installation of the indexing adapters.
- Never put weight on the cantilevered portion of the device without a patient lying on it. The cantilevered portion of the device is designed to support only the weight of a patient's head. DO NOT allow the patient to lean on this portion of the device.
- Always assist the patient on and off the AccuFix by supporting their upper body and head regions.
- Properly restrain the patient's shoulders to avoid shifting of the isocenter during treatment.
- DO NOT over-depress the patient's shoulders
- Make sure the patient is secured before moving the couch top.

## TREATMENT BEAM ATTENUATION

The AccuFix will attenuate the treatment beam. Treatment through the couch top will increase the overall attenuation. Treatment through any device, even one constructed of carbon fiber, will lead to an increased skin dose. Actual attenuation based on setup should be verified with your particular equipment. The Shoulder-Locs can be removed as needed for unobstructed treatment angles.

# GENERAL PRECAUTIONS

## MRI SAFETY INFORMATION

 The **RT-4525LMRI AccuFix™ Cantilever Board™ MRI Compatible** device is MR Safe. Non-clinical testing has demonstrated the **RT-4525LMRI AccuFix Cantilever Board MR Compatible** device may be used in an MR system.

 The **MRI Shoulder Locs™, RT-4524LW-MRI, RT-4524PED-MRI, RT-4524XX-MRI, RT-4524XX-SMRI**, are MR Safe. Non-clinical testing has demonstrated the **MRI Shoulder Locs, RT-4524LW-MRI, RT-4524PED-MRI, RT-4524XX-MRI, RT-4524XX-SMRI**, may be used in an MR system meeting the following conditions:

- The **MRI Shoulder Locs, RT-4524LW-MRI, RT-4524PED-MRI, RT-4524XX-MRI, RT-4524XX-SMRI**, must be used with the MR Safe version of the AccuFix Cantilever Board (RT-425LMRI) clearly labeled with the following symbol prior to MR scanning:



## LOAD RATING

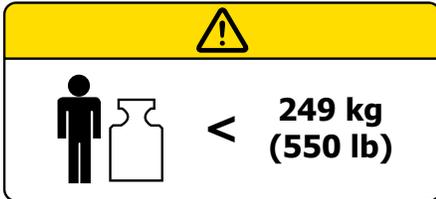
DO NOT exceed 249 kg (550 lbs) of uniformly distributed load or maximum working load of couch base, whichever is less.

**! NOTE !** When combined with the OEM couch base, the load rating is the lower of the two safe working loads. The couch top load should NOT exceed the original couch base manufacturer's specifications. Please refer to the product literature provided by the original manufacturer.

# GENERAL PRECAUTIONS

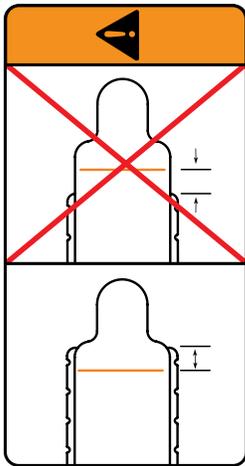
## WARNING LABELS & DESCRIPTIONS

Refer to [Qfix.com](http://Qfix.com) for a listing of symbols and their definitions.



### LOAD RATING

DO NOT exceed 249 kg (550 lb) uniformly distributed patient load.



OR

### WARNING

DO NOT extend the AccuFix off the end of the couch top beyond the warning line.



### MR SAFE

An item that poses no known hazards resulting from exposure to any MR environment. MR Safe items are composed of materials that are electrically non-conductive, nonmetallic and nonmagnetic.

**! NOTE ! FOR RT-4525LMRI ONLY.**

# INTENDED USE

This device is intended to immobilize, position and reposition patients undergoing radiation therapy.

**! NOTE ! United States Federal law restricts this device to sale by or on the order of a physician.**

## **PATIENT TARGET GROUPS**

Patient's undergoing radiation therapy or diagnostic imaging procedures.

## **INTENDED USERS**

The intended user for the products is a person qualified in accordance with the requirements of the regulatory region.

## **REQUIRED ACCESSORIES**

The AccuFix is intended to be used with an Aquaplast RT™ or Fibreplast® U-Frame.

# OPERATING INSTRUCTIONS

## INSTALLATION

### ACCUFIX INSTALLATION

1. Place the AccuFix™ on the treatment, simulator or CT couch top.
2. Ensure appropriate mounting/indexing adapters are installed. Refer to the Installation Guide And User Manual for the Indexing Adapters (P/N 2002950) for installation instructions, specifications, warnings, cautions, and other general precautions related to the installation of the indexing adapters.
3. Verify the device is securely attached before moving the patient to the couch top.

# OPERATING INSTRUCTIONS

## SET-UP

### PATIENT POSITIONING

1. Insert Shoulder-Locs into device with the ratchet pointing away from the device.
2. Move the Shoulder-Locs™ to their most extended position.
3. Sit the patient on the lower end of the AccuFix™.
4. Choose the appropriate shoulder-loc and install in either A or B width based upon patient's anatomy.
5. Firmly depress the Shoulder-Locs until they are in position to meet the patient's shoulders.

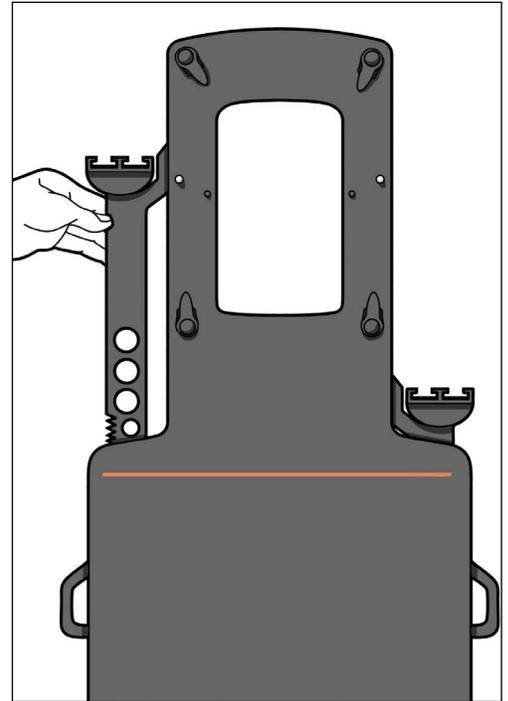


Fig. 1

# OPERATING INSTRUCTIONS

## SET-UP

### INSTALLATION OF U-FRAME THERMOPLASTIC

**! NOTE !** Exclusively designed for use with Aquaplast RT™ & Fibreplast® U-Frames.

1. Rotate all mask locks until the pointed end is facing away from the center of the AccuFix (Fig. 2).
2. Place mask over patient, lining up U-Frame pins with attachment holes on the AccuFix (Fig. 2).
3. Press the mask firmly against the AccuFix rotating each mask lock until the pointed end is facing toward the center of the AccuFix securing the mask (Fig. 3).

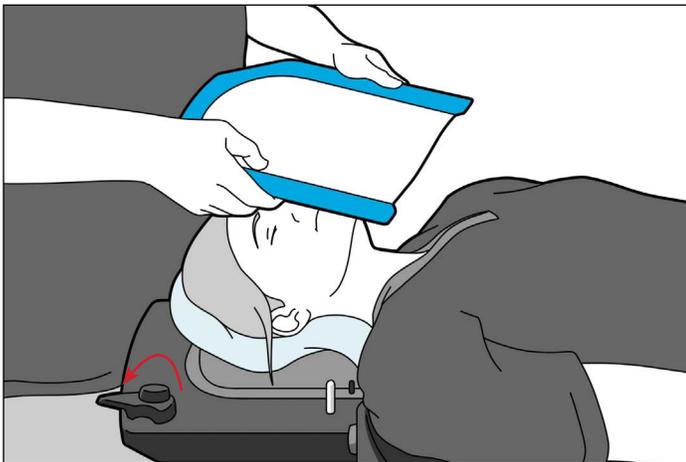


Fig. 2

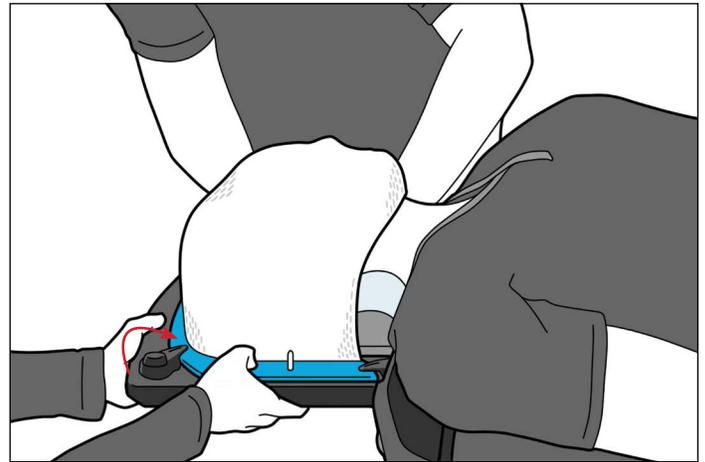


Fig. 3

# OPERATING INSTRUCTIONS

## REMOVAL

### REMOVAL OF U-FRAME THERMOPLASTIC

1. Rotate all mask locks until the pointed end is facing away from the center of the AccuFix™ (Fig. 4).
2. Pull up on the mask and lift away from patient.

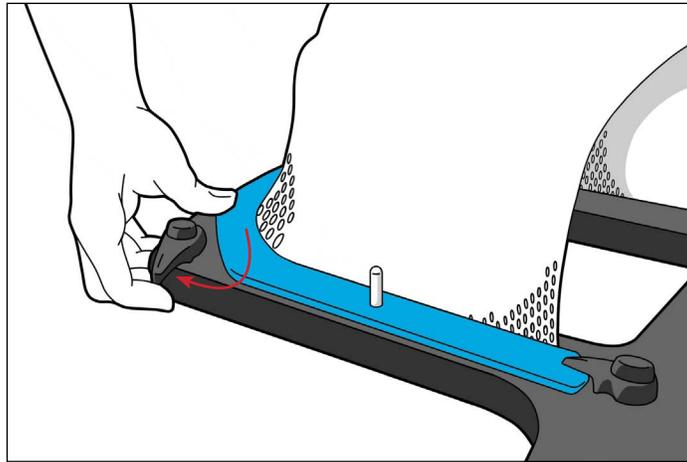


Fig. 4

### SHOULDER-LOC

1. Pull the handle (Fig. 5).
2. Pull the Shoulder-Loc™ out to allow release of the patient (Fig. 6).

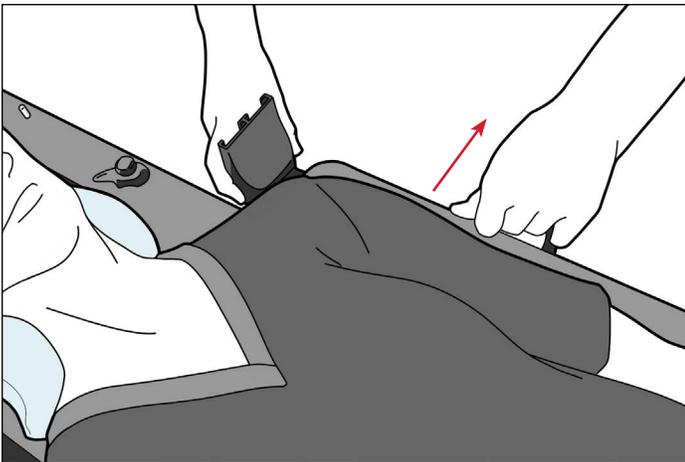


Fig. 5

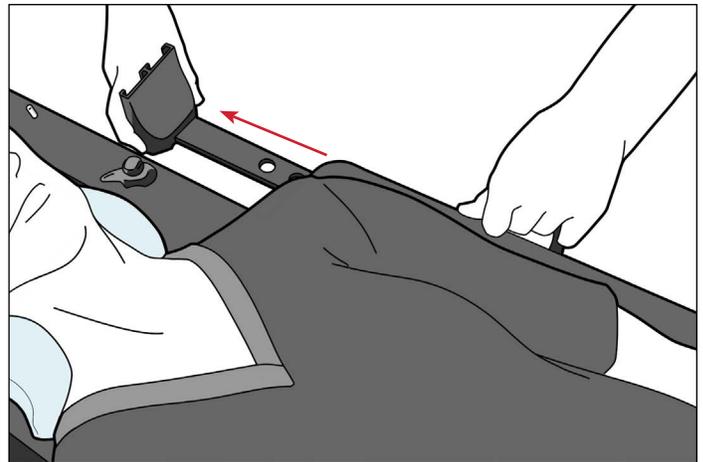


Fig. 6

# MAINTENANCE

## CLEANING THE SYSTEM

The device can be cleaned with a mild, non-abrasive cleaning or disinfecting solution. Do not spray or pour liquids onto the surface as they may flow into the mechanisms within device. To clean, apply solution to clean cloth and wipe the surface.

## DISINFECTING THE SYSTEM

The following cleaning materials have been tested and found to be appropriate for cleaning the AccuFix surface. To disinfect the AccuFix surface, refer to specific instructions from the cleaning agent manufacturer.

- Water
- A 10% Clorox® Bleach Solution
- Isopropyl Alcohol
- Cidex® 2.4% Activated Dialdehyde Solution
- Soap and Water

DO NOT place sharp objects on the AccuFix.

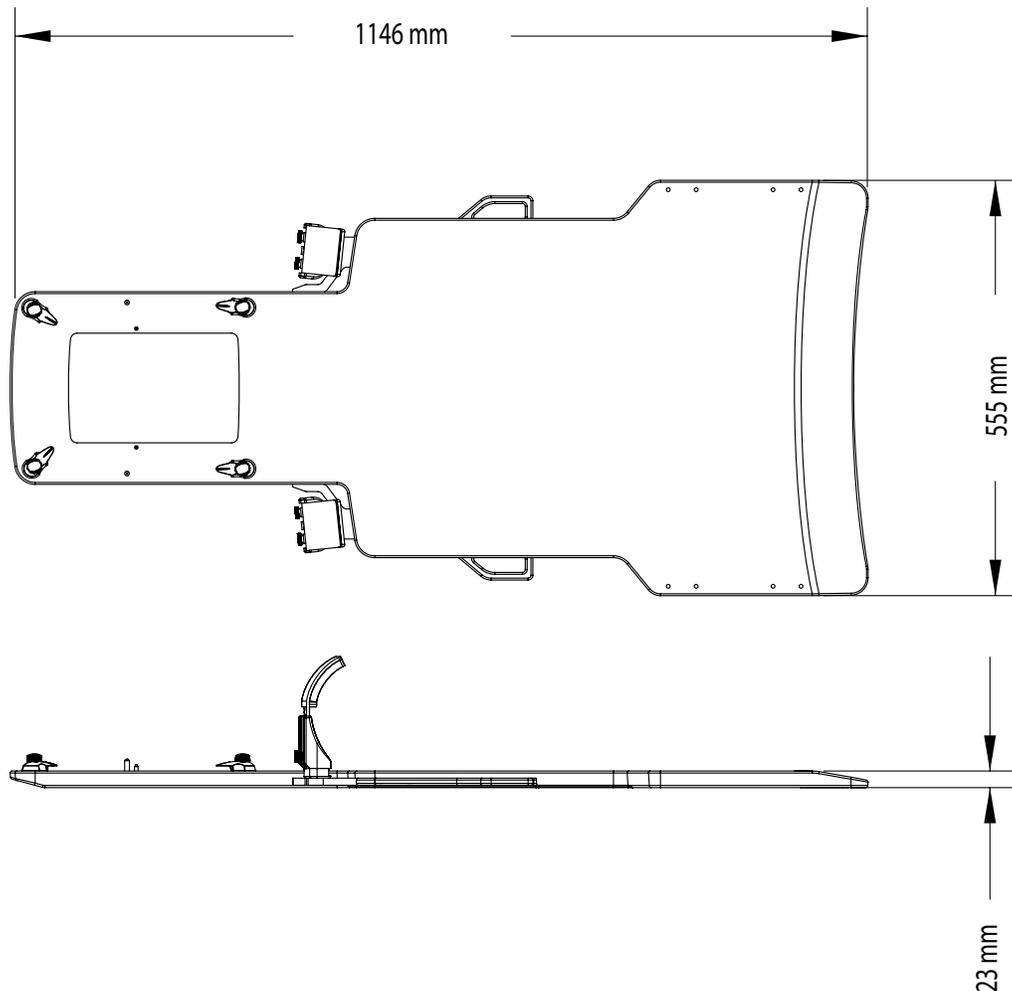
Periodically check all fasteners for tightness.

# SPECIFICATIONS

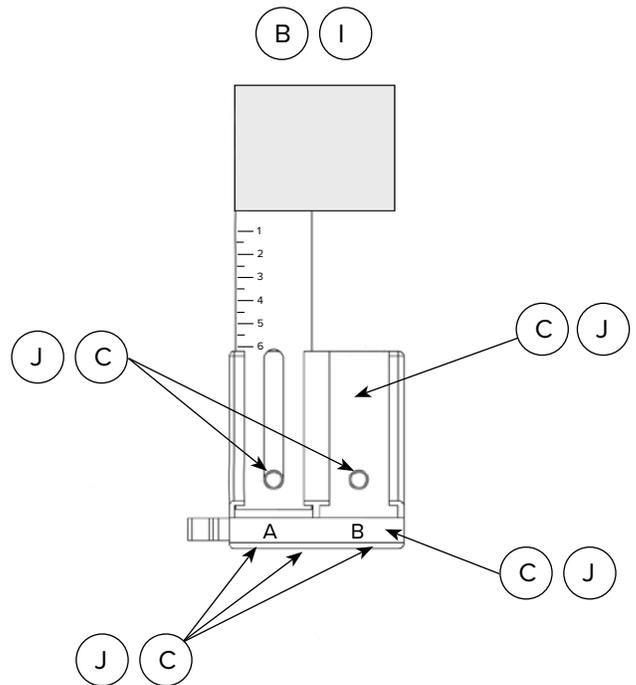
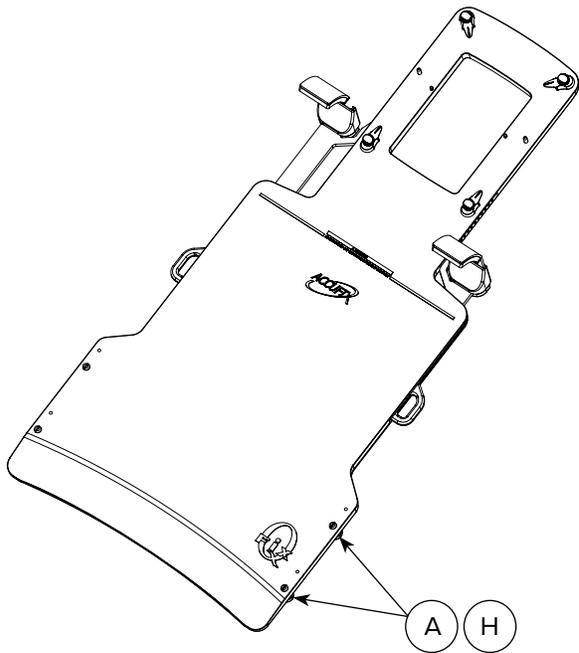
## RT-4525L, RT-4525L-01, & RT-4525LMRI

**LENGTH:** 1146 mm

**WEIGHT LIMIT:** 249 kg (550 lb) Uniformly Distributed Load at maximum cantilever position indicated on device.



# PARTS LIST



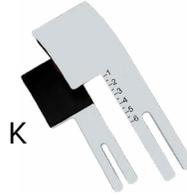
E



F



G



L



M



N



## RT-4525L & RT-4525L-01

- A. RT-4529M – AccuFix Medium Disk Set
- B. 8001113 – AccuFix Shim Package
- C. 8001887 – Shoulder-Loc Spare Parts Kit
- D. RT-4524XX – AccuFix Standard Shoulder-Loc
- E. RT-4524PEDXX-S – AccuFix Pediatric Shoulder-Loc
- F. RT-4524LW – AccuFix Extra Tall Shoulder-Loc
- G. RT-4524XX-S – AccuFix Standard Shoulder-Loc, CT Compatible

## RT-4525LMRI

- H. RT-4529M – AccuFix Medium Disk Set
- I. 8001113 – AccuFix Shim Package
- J. 8001887 – Shoulder-Loc Spare Parts Kit
- K. RT-4524XX-MRI – AccuFix Standard Shoulder-Loc, MRI version
- L. RT-4524PED-MRI – AccuFix Pediatric Shoulder-Loc, CT compatible, MRI version
- M. RT-4524LW-MRI – AccuFix Extra Long Shoulder-Loc, MRI version
- N. RT-4524XX-SMRI – AccuFix Standard Shoulder-Loc, CT compatible, MRI version

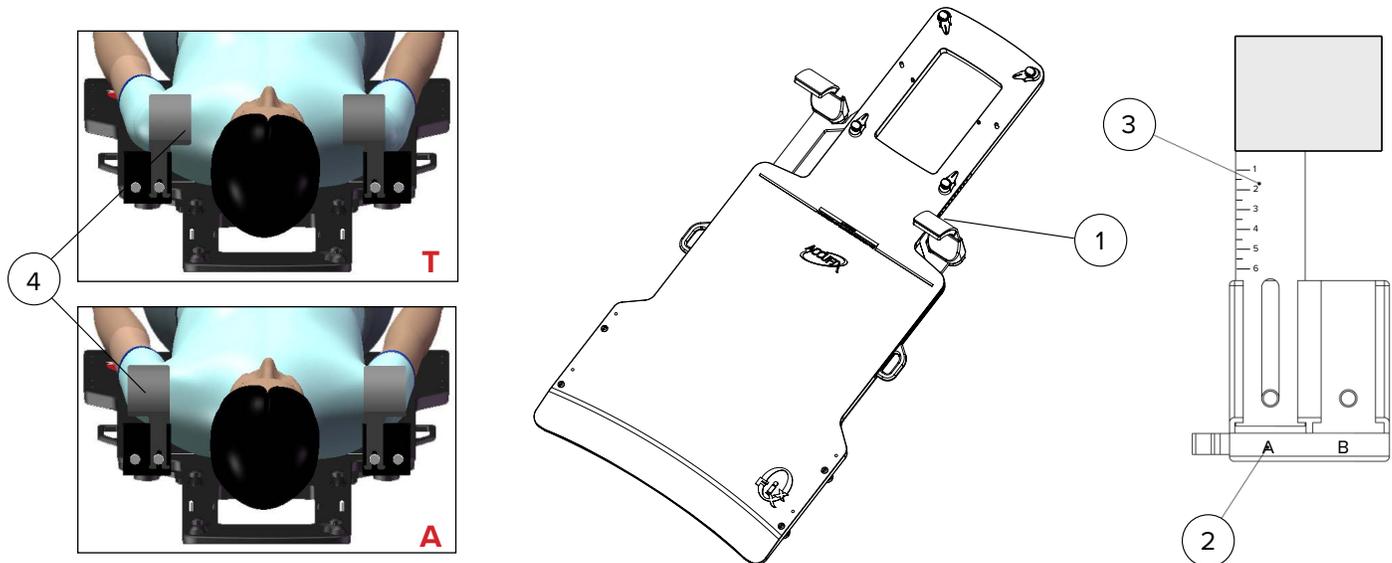
# SETUP SHEET

RT-4525L – AccuFix™ Cantilever Board™ Featherline Edition with Shoulder-Locs™

RT-4525L-01 – AccuFix™ Cantilever Board™ Featherline Edition with Shoulder-Locs™ with Virtual Indexing™

RT-4525LMRI – AccuFix™ Cantilever Board™ MRI Compatible with Shoulder-Locs™

Patient Name:	
Patient ID #:	Setup by:
Physician:	Date:
Comments:	



**! WARNING ! SCALES ON THE ACCUFIX CANTILEVER BOARD ARE FOR REFERENCE USE ONLY.**

- Shoulder-Loc™ setting (whole number from 1 to 12): Patient's Left \_\_\_\_\_ Patient's Right \_\_\_\_\_
- Width setting of Shoulder-Loc (A or B): Patient's Left \_\_\_\_\_ Patient's Right \_\_\_\_\_
- Height of Shoulder-Loc (number from 1 to 6): Patient's Left \_\_\_\_\_ Patient's Right \_\_\_\_\_
- Orientation of Shoulder-Loc flange (toward or away from patients neck—select one)  
Patient's Left: **T**   **A**   Patient's Right: **T**   **A**
- Type of Shoulder-Loc used (select one): **RT-4524XX (Standard)**   **RT-4524PEDXX-S (Pediatric)**  
**RT-4524LW (Extra-Tall)**   **RT-4524XX-S (CT Version)**   **RT-4524XX-MRI (Standard MRI)**  
**RT-4524PED-MRI (Pediatric MRI)**   **RT-4524LW-MRI (Extra-Tall MRI)**  
**RT-4524XX-SMRI (CT Version, MRI)**
- Head support used:   **Silverman Model Number:** \_\_\_\_\_  
**MOLDCARE Model Number:** \_\_\_\_\_
- Aquaplast RT or Fibreplast mask used:



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