

SpanLink®

# RAD

## Shoulder System

The **SpanLink RAD shoulder System (Rotation & Abduction Device)** is a perfect solution designed to immobilize while providing comfort and support for the post-operative patient and for individuals who require shoulder immobilization.

This brace allows for both internal and external rotation and provides shoulder adduction positioning as well as up to 75 degrees of shoulder abduction. The **SpanLink RAD Shoulder System** brace replaces and improves on the GunSlinger while providing comfortable and stable support.

The **SpanLink RAD Shoulder System** is designed from Aircraft grade aluminum and finished with plush Ortho-wick type lining. The brace is also designed for ease of use while donning and doffing in a medical setting, as well as in the home.

### Benefits of the **RAD Shoulder System**:

- Designed to maximize comfort and function.
- Adjustable light weight durable frame fits all sizes and shapes.
- Effortlessly applied and available for the right or left arm.
- Provides comfortable abduction positioning while allowing for fine adjustments of internal and external rotation.
- The Multi-functionality reduces inventory by replacing several single function braces.
- Ranges from 20 degrees internal rotation to 45 degrees external rotation and neutral to 75 degrees of abduction.



The **RAD Shoulder System** brace is designed for arthroscopy, rotator cuff, labral repairs, total shoulder repair and other shoulder injuries.

The **RAD Shoulder System** is also effective for shoulder instability repairs where the ability to maintain a particular degree of external rotation is necessary.

Illustrations of the **RAD Shoulder Systems** rotation ability



Full Internal Rotation:

The **RAD Shoulder System** in full internal rotation.



Neutral Position:

The **RAD Shoulder System** in the neutral position.



10 Degrees of External Rotation:

The **RAD Shoulder System** in 10 degrees of external rotation



20 Degrees of External Rotation:

The **RAD Shoulder System** in 20 degrees of external rotation

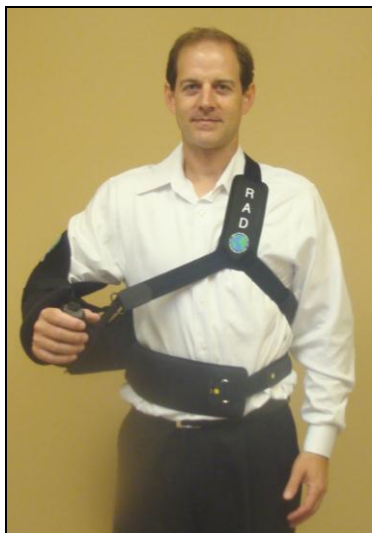
Illustrations of the **RAD Shoulder systems** Abduction and Adduction Ability



The **RAD Shoulder System** in the adducted position.



The **RAD Shoulder System** in 15 degrees of abduction.  
← Without wedge support in place.  
With wedge → Support in place.



← The **RAD Shoulder System** in 30 degrees of abduction.

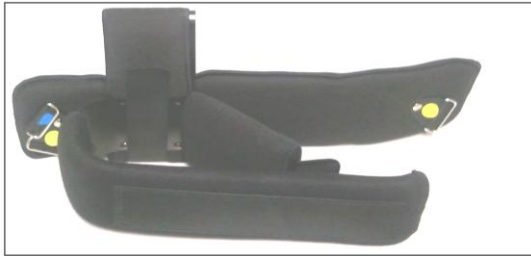
The **RAD Shoulder System** → in 75 degrees of abduction.



# RAD Shoulder System Components

All RAD Shoulder System Components are ONE SIZE FITS ALL

## RAD Shoulder System Lateral Waist Support



## RAD Shoulder System Arm Sling



## RAD Shoulder System Three Point Harness and Waist Strap



## RAD Shoulder System Abduction Pillows



## RAD Shoulder System Fitting Instructions

1. Separate the arm sling from the lateral waist support.
2. Position the lateral waist support under the arm of the patient's injured shoulder with the longer portion facing the patient's body and the abduction tab pointed upwards and aligned with the patient's shoulder. Bend the innermost portion of the lateral waist support to fit the patient's body/waist.



Pictured:  
Left: Anterior, Right: Posterior, Top: Lateral, Bottom: Medial

**RAD Shoulder System** lateral waist support with waist adjusted. The lateral waist support is positioned for the neutral adducted position.

### Internal rotation:

Bend the outmost portion of the lateral waist support towards the patient's body.



### External rotation

Bend the outermost portion of the lateral waist support away from the patient's body and secure the Velcro tab on the middle tab for support.



## Abduction

Bend the abduction tab on the lateral waist support upward to the desired angle and insert the wedge pillows into the space created for support.



Posterior View, Left: Medial

L: Lateral waist support without wedge inserted

R: Lateral waist support with 15 degree wedge inserted

3. Secure the RAD Shoulder System lateral waist support onto the patient's waist by looping the waist strap through d-rings on either end of the lateral waist support.



## Strap Length Adjustment

If you find any of the straps to be too long, use a scissor cut the strap to the desired length then transfer the alligator style Velcro attachment to the shortened strap.

4. Place the RAD Shoulder System arm sling onto the arm of the patient's injured shoulder and secure the arm sling by adducting the arm so that the Velcro attaches to the lateral waist support.



### Arm Sling Adjustments

The arm sling can accommodate patients with varying arm lengths. There are three Velcro straps that can be altered to change the location of the hand grip: two on either side at the middle of the sling and one strap on the inferior side of the sling.



In addition, the length of the entire sling can be altered by folding the arm sling to create a cuff at the forearm.

- a. Lift the two Velcro tabs at the superior distal end of the arm sling.
- b. Fold the arm sling to create the cuff and secure the cuff using the Velcro tabs.



5. Position the RAD Shoulder System three point harness on the patients uninjured shoulder such that the RAD-label is anterior to the shoulder joint.
- a. Secure the top strap over the uninjured shoulder to the back of the arm sling to the d-ring on the top/back of the arm.



- b. Secure the strap directed towards the uninjured side of the patient's body, under the patient's arm and around the back to the other d-ring at the waistband attachment.



- c. Secure the strap directed towards the injured side of the patient's body to the ring at the forearm of the arm sling.





## How to use the **RAD Shoulder System Brace** as a sling

1. Remove the arm sling from the lateral waist support.
2. Move the strap from the three point harness that was originally connected to the lateral waist support to the outside of the elbow on the arm sling.
3. Position the arm in the RAD Shoulder System arm sling.
4. Pass the RAD Shoulder System three point harness behind the back and over the uninjured shoulder by placing your free arm through the ring created by the straps.