

# Horizon™ Pro 456 TLSO

Doctor: \_\_\_\_\_ Fitter: \_\_\_\_\_

Patient Name: \_\_\_\_\_ Date: \_\_\_\_\_

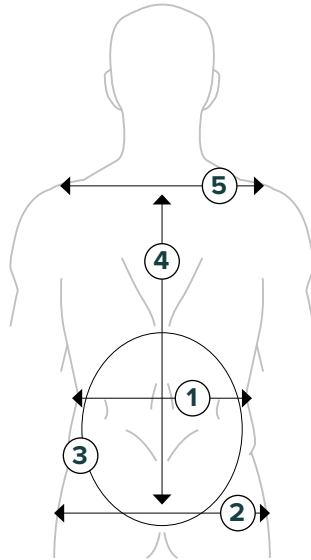
Patient #: \_\_\_\_\_ Additional Follow-Up Dates: \_\_\_\_\_

TOOLS NECESSARY: Scissors • Heat Gun • Tape Measure

**FOR USE WITH PRODUCTS MANUFACTURED BY ASPEN MEDICAL PRODUCTS ONLY. THIS PRODUCT IS INTENDED FOR APPLICATION BY HEALTH CARE PRACTITIONERS AS DIRECTED BY A PHYSICIAN OR OTHER QUALIFIED MEDICAL AUTHORITY. THIS IS A PREFABRICATED ORTHOSIS. IT IS INTENDED TO BE CUSTOMIZED TO AN INDIVIDUAL PATIENT. FOLLOW THE STEPS BELOW TO CUSTOMIZE.**

## STEP 1 - MEASUREMENTS

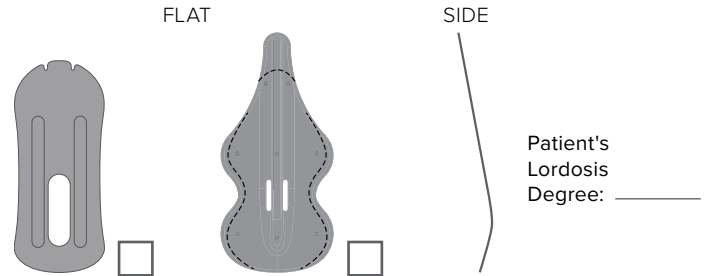
- ① Lower rib circumference = \_\_\_\_\_
- ② Hip circumference = \_\_\_\_\_
- ③ Sacrococcygeal Junction to Inferior Scapular Spine = \_\_\_\_\_
- ④ Length from hip to shoulders = \_\_\_\_\_
- ⑤ Distal end clavicle = \_\_\_\_\_



TIME SPENT: \_\_\_\_\_

## STEP 2 - CUSTOMIZE BACK PANEL TO ANATOMY

- A.** Measure patient's lordosis then customize back panel to anatomy.
- B.** To customize back panel, remove the panel, heat, trim, and reassemble.



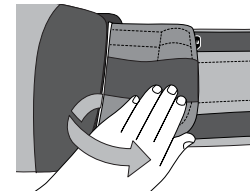
Heat form to individual patient's anatomy and contour to create intimate fit for individual lordosis and soft tissue. Trim for individual patient's anatomy based on ③ \_\_\_\_\_

TIME SPENT: \_\_\_\_\_

## STEP 3 - CUSTOMIZE SIZING AND TIGHTENING MECHANISM

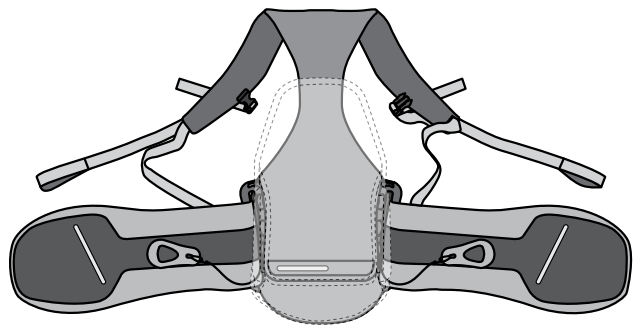
**SIZING IS CRITICAL TO PROPER PERFORMANCE**  
Use the measurements below to customize to patient's anatomy.

- A.** Use waist circumference (average of ① and ② \_\_\_\_\_) to determine where to mark belt with chalk.
- B.** Adjust belt to chalk mark.



- C.** Adjust length of tightening mechanism. For individual patient, it may be necessary to adjust length of closure string. Trim and adjust length of strings.

YES. AMOUNT CUT \_\_\_\_\_  NO

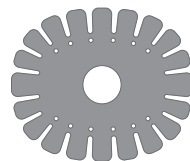


A. \_\_\_\_\_

TIME SPENT: \_\_\_\_\_

## STEP 4 - MODIFY RIGID PANELS

MODIFY ANTERIOR PANEL AS NECESSARY



- Remove and trim to accommodate small and extra small anatomy.
- Remove and heat mold anterior panel as necessary.

TIME SPENT: \_\_\_\_\_

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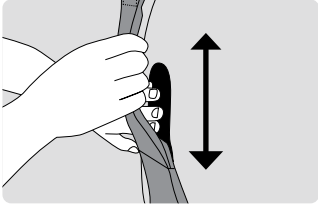
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## STEP 5 - TLSO ADJUSTMENT

### ANATOMICAL LANDMARKS

Bony Prominents: C7, Sternal Angles.

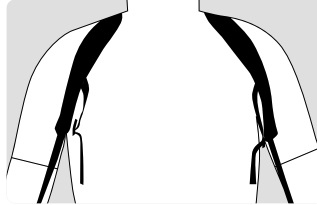
**A.** Use C7 to determine height of shoulder strap. Disengage hook and loop on shoulder strap piece from posterior panel to adjust to applicable height.



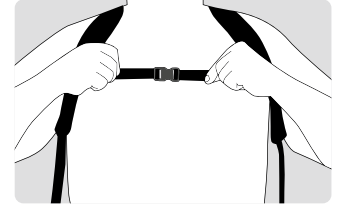
**B.** Determine if chest strap is required for individual patient. May be required if shoulder strap is interfering with axilla.



**C.** Shoulder length (from STEP 1: ④) determines placement of shoulder straps. Lengthen chest strap appropriately.



**D.** Adjust chest strap to cover sternal angle.



TIME SPENT: \_\_\_\_\_

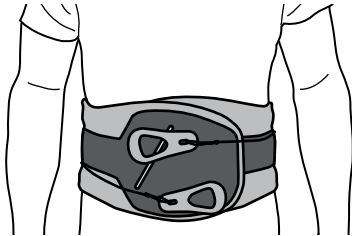
## STEP 6 - CUSTOMIZE BELT FIT

### ANGLE ANTERIOR PANELS

Every patient has a unique individual anatomy. Determine angulation for proper fit. Circumferential contact at both upper and lower margins of brace is essential for proper brace performance and support.

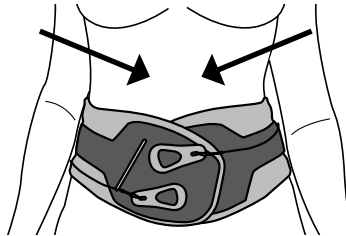
**A.** Bend anterior panel to conform to patient's anatomy.

**B.** Angle anterior panels:



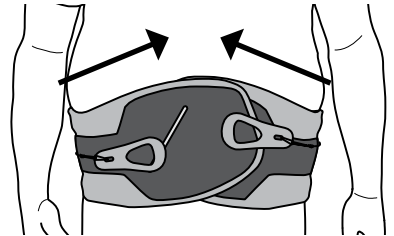
Neutral

Configuration for best support



Inferior Angulation

Configuration for best support



Superior Angulation

Configuration for best support

TIME SPENT: \_\_\_\_\_

## STEP 7 - EDUCATION

### EDUCATE PATIENTS

Proper education is needed for individual to maintain proper fit throughout total time of wear.

Items to educate patients on:

Independent compression mechanics

Proper angulation to ensure circumferential contact

Proper cleaning

Don and doffing

Proper placement of brace

Follow up appointments

TIME SPENT: \_\_\_\_\_

## CLINICAL JUSTIFICATION FOR CUSTOMIZING BRACE

TOTAL TIME TO CUSTOMIZE BRACE: \_\_\_\_\_