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.

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**STEP 1 - MEASUREMENTS**

1. Lower rib circumference =
2. Hip circumference =
3. Sacroccocygeal Junction to Inferior Scapular Spine =
4. Length from hip to shoulders =
5. Distal end clavicle =

**TIME SPENT:**

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**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

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**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 size of Summit brace.

**SIZE**

- SMALL: 26-34 in (66-86 cm)
- MEDIUM: 33-42 in (84-107 cm)
- LARGE: 41-51 in (105-130 cm)
- X-LARGE: 50-60 in (127-152 cm)

B. 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

**TIME SPENT:**

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**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:**
**SUMMIT™ 456 TLSO**

**STEP 5 - TLSO ADJUSTMENT**

A. Use C7 to determine height of shoulder strap. Adjust the vertical height of the posterior adjustment strap.

Boney Prominents: C7, Sternal Angles.

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) determines placement of shoulder straps. Lengthen chest strap appropriately.

D. Adjust chest strap to cover sternal angle.

**TIME SPENT:**

**ANATOMICAL LANDMARKS**

**STEP 6 - CUSTOMIZE BELT FIT**

A. Bend anterior panel to conform to patient’s anatomy.

B. Angle anterior panels.

**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.

**TIME SPENT:**

**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

**CLINICAL JUSTIFICATION FOR CUSTOMIZING BRACE**

**TOTAL TIME TO CUSTOMIZE BRACE:**