



Aspen Sierra™ Lower Spine Braces

The Aspen Sierra line features both adjustable and bivalve options which offer Aspen's quality with clinically effective motion restriction for pre-, post- and non-operative patients. All structural components are accessible and can be removed, molded, bent or trimmed, providing individualized customization options to meet various anatomical and medical needs.

Aspen Acute Restriction Braces Provide a Controlled Environment for Healing



Aspen Acute Restriction braces provide significant motion restriction by acting as a kinematic restrictor,¹ for patients needing support for healing, and can be safely and quickly applied. Gross motion restriction is often desired in treating injured patients recovering from trauma or surgery.² The goal is to support healing,³ limit recovery time and save money by expediting patient discharge times, accelerating turnaround times and minimizing health risks.


1. Cholewicki J, Lee AS, Reeves NP, Morrissette DC. "Comparison of trunk stiffness provided by different design characteristics of lumbosacral orthoses." *Clin Biomech (Bristol, Avon)*. 2010 Feb; 25(2): 110–114., doi: 10.1016/j.clinbiomech.2009.10.010.

2. Cholewicki, Jacek, et al. "Comparison of Motion Restriction and Trunk Stiffness Provided by Three Thoracolumbosacral Orthoses (TLSOs)." *Journal of Spinal Disorders & Techniques*, vol. 16, no. 5, Oct. 2003, pp. 461–468.

3. Cholewicki, Jacek. "The Effects of Lumbosacral Orthoses on Spine Stability: What Changes in EMG Can Be Expected?" *Journal of Orthopaedic Research*, vol. 22, no. 5, 2004, pp. 1150–1155., doi:10.1016/j.orthres.2004.01.009.

The Aspen Advantage Symbol
An Innovative Feature Available only from Aspen



Lateral Panel Angulation 
Lateral panels can be easily angled to provide the best possible fit for a variety of patient anatomies.

Easy to Locate Pull Tabs 

The ergonomic pull tabs are designed to lay flat and are easy to find by feel. Bonded and stitched materials ensure their strength and durability.



TLSO Offers Enhanced Rotational Control

The Aspen Sierra TLSO 464 can be easily applied in the over the shoulder or underarm configuration to optimize rotational control. Easy to find side release buckles simplify donning and doffing.



Easy Access for Modification

All structural components are easily removed and can be heat molded, bent or trimmed to accommodate individual patient conditions.



One Size Adjustable Option

Fully adjustable, Aspen Sierra braces offer the broadest range of sizes per SKU on the market. Each brace can be custom assembled and tailored to accommodate a wide range of patients.



Bivalve Design Option

Designed for easy application on supine or ambulatory patients from the left or right side.

← FITS WAIST CIRCUMFERENCE RANGING FROM 28-54 IN (71-137 CM) AND UP TO 74 IN (188 CM) WITH ASPEN SIERRA ADJUSTABLE EXTENSION PANEL →

ONE SIZE ADJUSTABLE OPTION		BIVALVE DESIGN OPTION					
Aspen Sierra™ Adjustable TLSO 464 Code L0464 Approved 28-54 in (71-137 cm)	501221	Aspen Sierra™ TLSO 464 Short (S/M) Code L0464 Approved 28-44 in (71-112 cm)	501212	Aspen Sierra™ TLSO 464 Tall (S/M) Code L0464 Approved 28-44 in (71-112 cm)	501222	Aspen Sierra™ LSO 637 Tall (S/M) Code L0637 Approved 28-44 in (71-112 cm)	501122
Aspen Sierra™ Adjustable LSO 637 Code L0637 Approved 28-54 in (71-137 cm)	501111	Aspen Sierra™ TLSO 464 Short (L/XL) Code L0464 Approved 43-59 in (109-150 cm)	501214	Aspen Sierra™ TLSO 464 Tall (L/XL) Code L0464 Approved 43-59 in (109-150 cm)	501224	Aspen Sierra™ LSO 637 Tall (L/XL) Code L0637 Approved 43-59 in (109-150 cm)	501124
Aspen Sierra™ Adjustable Extension Panel 20 in (51 cm)	501322	Aspen Sierra™ TLSO 464 Short Short (S/M) Code L0464 Approved 28-44 in (71-112 cm)	501211	Aspen Sierra™ LSO 637 Short (S/M) Code L0637 Approved 28-44 in (71-112 cm)	501112	Aspen Sierra™ TLSO Upgrade Kit Short t-bar: 16 in (41 cm)	501330
Aspen Sierra™ Adjustable Upgrade Kit Standard t-bar: 13-18 in (33-46 cm) Tall t-bar: 16-21 in (41-53 cm)	501321	Aspen Sierra™ TLSO 464 Short Short (L/XL) Code L0464 Approved 43-59 in (109-150 cm)	501213	Aspen Sierra™ LSO 637 Short (L/XL) Code L0637 Approved 43-59 in (109-150 cm)	501114	Aspen Sierra™ TLSO Upgrade Kit Regular t-bar: 19 in (48 cm)	501331