

## Aspen<sup>®</sup> Lower Spine Braces

The Aspen Lower Spine line offers the practitioner multiple orthotic options that provide motion restriction, comfort and the ability to self-adjust to patients. It combines the motion restriction of a custom fabricated orthosis with improved comfort for better patient outcomes.

### Proven Performance

Demonstrated in two peer reviewed scientific studies to provide motion restriction equivalent to that of the leading custom fabricated orthoses,<sup>1,2</sup> the Aspen Lower Spine line forms a rigid, multi-layered cylinder that captures the trunk in a highly effective manner. An overwhelming majority of patients in both studies preferred the comfort of the Aspen Lower Spine line to that of the custom fabricated orthoses.



## Aspen Acute Restriction Braces Provide a Controlled Environment for Healing



Aspen Acute Restriction braces provide significant motion restriction by acting as a kinematic restrictor,<sup>2</sup> 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.<sup>3</sup> The goal is to support healing,<sup>4</sup> limit recovery time and save money by expediting patient discharge times, accelerating turnaround times and minimizing health risks.

1. Krag M, Fox J, Haugh L. "Comparison of Three Lumbar Orthoses Using Motion Restriction Assessment During Task Performance." *Spine*, 2003; 28: 2359-2367.
2. Cholewicki J, Lee AS, Reeves NP, Morrisette 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.
3. Cholewicki, Jacek, et al. "Comparison of Motion Restriction and Trunk Stiffness Provided by Three Thoracolumbosacral Orthoses (TLOs)." *Journal of Spinal Disorders & Techniques*, vol. 16, no. 5, Oct. 2003, pp. 461-468.
4. 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

**VectorPoint™ Chest Panel**  
Adjusts to the height and profile of each patient. This padded chest panel anchors the front and back of the brace to an anterior vector point in the upper thoracic region.



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

**FlexTabs™**  
Helps soften the edges of the orthosis and can be cut to further splay outward or trimmed back for better comfort.

**Easy LeverLatch™ Closure**  
Gives the patient a strong mechanical advantage to easily and effectively tighten the orthosis for better motion restriction.



**Large Lumbar Window**  
Offers unobstructed vision and physical access for better patient care. Provides maximum airflow for improved comfort.

**Multiple Orthotic Options**  
The modular design allows you to customize care for each patient. By removing the shoulder straps, torso control straps or the padded chest panel, the system can be "stepped down" to parallel the overall progress of the patient.



**Aspen® TLSO** - Code L0462 Approved

Short / Small - 26-39 in (66-99cm), 13" back panel, 8" cut-out	<b>991030</b>	Tall / Small - 32-47 in (81-119cm), 16" back panel, 10" cut-out	<b>991070</b>
Short / Large - 36-49 in (91-124cm), 13" back panel, 8" cut-out	<b>991031</b>	Tall / Large - 44-59 in (112-150cm), 16" back panel, 10" cut-out	<b>991071</b>

**Aspen® LSO** - Code L0631 Approved

Short / Small - 26-39 in (66-99cm), 13" back panel, 8" cut-out	<b>990040</b>	Tall / Small - 32-47 in (81-119cm), 16" back panel, 10" cut-out	<b>990060</b>
Short / Large - 36-49 in (91-124cm), 13" back panel, 8" cut-out	<b>990041</b>	Tall / Large - 44-59 in (112-150cm), 16" back panel, 10" cut-out	<b>990061</b>

**Aspen® LSO LoPro** - Code L0631 Approved

Small - 26-39 in (66-99cm), 16" back panel, 10" cut-out	<b>990020</b>	Large - 36-49 in (91-124cm), 16" back panel, 10" cut-out	<b>990021</b>
		X-Large - 46-62 in (117-158cm), 16" back panel, 10" cut-out	<b>990022</b>