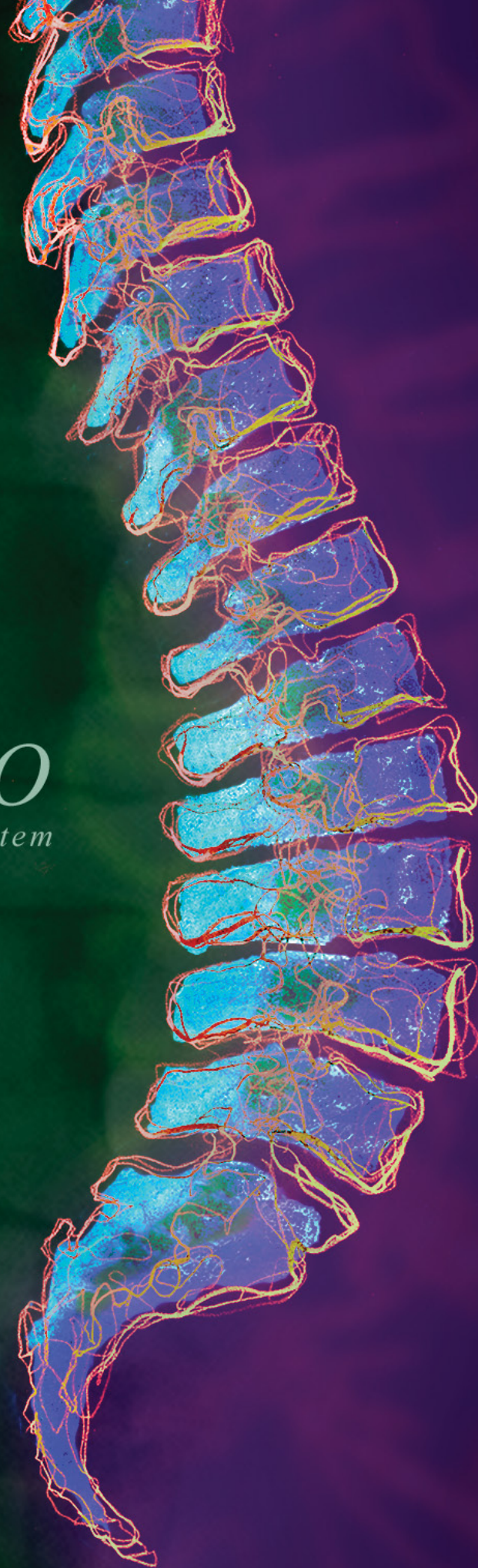


Aspen

*LSO/TLSO*  
*Lumbosacral Bracing System*



*Innovative Patient Care*



# Aspen<sup>®</sup>

## Lumbosacral Bracing System<sup>™</sup>

### Superior Motion Restriction

Effective spinal bracing is a critical component of pain relief, functional mobility, and post surgical stabilization. The Aspen<sup>®</sup> Lumbosacral Bracing System<sup>™</sup> offers the practitioner multiple orthotic options that provide a high degree of motion restriction, unparalleled comfort, and the ability to self-adjust to patients even if they gain or lose weight. It combines the motion restriction of a custom fabricated orthosis with a dramatic improvement in comfort for better patient outcomes.

### Customized Comfort

Aspen braces conform, and automatically adjust themselves, to each patient as they are tightened. The CushionFlex Tabs<sup>™</sup> and breathable cotton-lined replacement pads further soften the interface. The brace essentially becomes a part of the patient, thereby minimizing migration. For even more comfort, the upper and lower edges can be modified to relieve pressure over anatomical contours, bony prominences, or bone graft sites.

#### Sturdy Aluminum Rods

Reinforce spinal support and allow formation of patient-specific lordotic curves for unsurpassed performance.

#### Large Lumbar Window

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

#### SureSlot<sup>™</sup> Adjustment System

Provides a wide range of circumferential sizes, which can be changed in seconds. Ensures a good fit with only four models regardless of the patient's physique.

#### Rigid Layered Support

Forms a structurally rigid polyethylene cylinder that restricts motion, yet is easy to trim or shape while on the patient.

#### Easy LeverLatch<sup>™</sup> Closure

Gives the patient a strong mechanical advantage to easily and effectively tighten the orthosis for better immobilization and pain relief.

#### CushionFlex Tabs<sup>™</sup>

Softens the edges of the orthosis. Can be cut to further splay outward or trimmed back for better comfort.

### 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<sup>®</sup> Lumbosacral Bracing System<sup>™</sup> forms a rigid, multi-layered cylinder that captures the trunk in a highly effective manner. Equally important, the overwhelming majority of patients in both studies preferred the comfort of the Aspen System to that of the custom fabricated orthoses.

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, et. al. *Comparison of Motion Restriction and Trunk Stiffness Provided by Three Thoracolumbosacral Orthoses (TLSO's)* J Spinal Disorders & Techniques. 2003; 16: 461-468.



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#### 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.

#### Optional Torso Control Straps

Further limit flexion and rotation by linking the padded chest panel to a second location on the back of the brace.

Full TLSO



"Over the Shoulder" TLSO



Hyperextension TLSO



Basic LSO



### Multiple Orthotic Options

The modular design of the Aspen<sup>®</sup> Lumbosacral Bracing System™ lets you progressively tailor the amount of motion restriction to the changing needs of 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.

### Optional Cold Therapy

A reusable, soft gel cold pack slips into a special rear panel pad with a thermal sleeve. This ensures placement directly over the spine to reduce pain or tenderness, and minimize swelling.



Aspen<sup>®</sup>  
TLSO





## Spinal Bracing Made Easy

### Step 1: Select the Correct Size

By taking just two measurements, you can determine whether you need a tall or short back panel with either large or small sides.



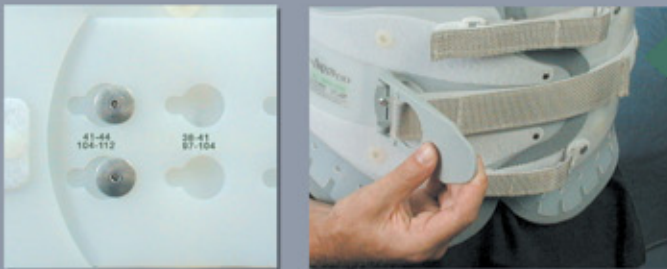
### Step 2: Create Custom Lordotic Curve

Position the back panel against the patient's lower spine. Assess the fit by sliding your finger along the inner edge of the lumbar window. Using the Aspen Bending Tool, make adjustments as necessary until a perfect fit is achieved.



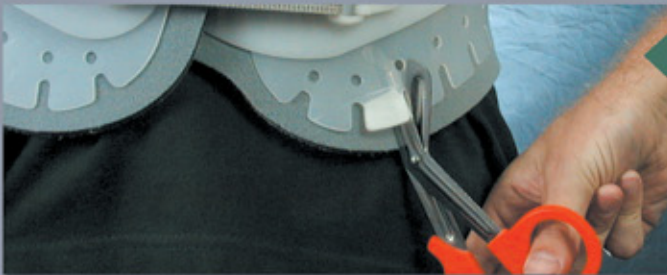
### Step 3: Adjust Sides and Tighten Brace

Lock in the proper circumferential setting using the SureSlot™ System. Now tighten the brace using the LeverLatch™ mechanism. It's ability to pivot, and the self-adjusting nature of the upper and lower closure straps, ensure an even and snug fit.



### Step 4: Trim for a Perfect Fit

With the brace properly tightened, assess for areas of minor discomfort. Snip inward to lengthen the CushionFlex Tabs™ to relieve uncomfortable pressure.



**HCPCS CODES:**

**LSO: L0631**

**TLSO: L0462**

## Spinal Bracing System

The Aspen® Lumbosacral Bracing System™ doesn't look like other braces because it's not . . . it's better! It provides better motion restriction, better comfort, and better patient outcomes. A complete set, which consists of 4 LSO sizes and 3 TLSO upgrade kits, fits into a handy carrying bag and allows you to offer your patients a range of popular bracing configurations. And, you save time and money, because there is no need for multiple visits. You can fit virtually any patient, on the spot!

