

# FLX Lower Spine Braces

Enhancing the proven design and function of the OTS product line, the FLX line of inelastic braces offers a conservative treatment solution for patients experiencing lower back pain. Structural improvements have been added to enhance stability and support while maintaining a sleek, breathable profile. These one-size adjustable braces are flexible by design, providing targeted compression and stability to support patients and aid in pain relief.



LSO Code L0639



LSO Code L0637  
LSO Code L0631



TLSO Code L0456



Lumbar Code L0627

## Aspen Pain Therapy Braces Proven Effective in Promoting Trunk Stability

Research shows that inelastic braces are significantly more effective at improving trunk stability than elastic braces,<sup>1,2,3</sup> a key factor in relieving muscle spasms which can cause pain. Increased trunk stability reduces the load on overtaxed muscles,<sup>4</sup> so tightened and fatigued muscles can relax. Aspen lower spine braces are inelastic by design, backed by years of innovative research and development.

1. Morrisette DC, Cholewicki J, Logan S, Seif G, McGowan S. "A randomized clinical trial comparing extensible and inextensible lumbosacral orthoses and standard care alone in the management of lower back pain." *Spine*. 2014.
2. Cholewicki J, Lee AS, Reeves NP, Morrisette DC. "Comparison of trunk stiffness provided by different design characteristics of lumbosacral orthoses." *Clinical Biomechanics*. 2010.
3. Cholewicki J, Reeves NP, Everding VQ, Morrisette DC. "Lumbosacral orthoses reduce trunk muscle activity in a postural control task." *Journal of Biomechanics*. 2007.
4. van Dieen JH, Selen LPJ, Cholewicki J. "Trunk muscle activation in low-back pain patients, an analysis of the literature." *Journal of Electromyography and Kinesiology*. 2003.

### Integrated Anterior Panels

Anterior panels overlap to provide enhanced midline support. Featuring Aspen's innovative FlexTabs™, these panels disperse pressure and naturally conform to the anatomy for added comfort.

### Improved structural integrity

Added reinforced materials to belt to improve support, stability, and compression, all while providing uncompromised comfort.

### One Size Adjustable

Simple pull through mechanism offers multiple sizes in one brace, enabling each brace to comfortably fit various anatomies. This means the correct size is always on hand, minimizing inventory requirements and significantly reducing costs

### Added access for modification

Anterior and posterior panels are now fully accessible and removable to better accommodate a broader range of patient anatomies and allow for the utilization of custom codes.



### Custom Support

When tightening, the firm but flexible back panel naturally conforms to the patient's lordosis to provide added structural support.

### Independent Tightening Mechanism

Aspen's patented 4:1 tightening mechanism provides targeted compression where needed to support tight muscles.

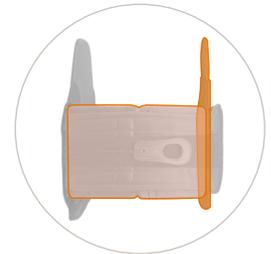


### Adjusts for Every Body

Movable shoulder pads allow you to adjust the brace to your patient's specific needs. Optimizing comfort and fit.

### Added Motion Restriction in a Low Profile Design

The FLX 639 features a tall, rigid anterior panel and overlapping lateral/anterior panels that provide flexion and lateral motion restriction without compromising comfort. The xiphoid extension can be angled as needed or removed for shorter patients.



○ TWO LATERAL PANELS    ● ANTERIOR PANEL



### The Right Brace for Multiple Needs

Improvements to better accommodate your practice needs. Added posterior flap and anterior openings to allow easy access and removal of the panels, giving you better flexibility with fitment and billing.

← FITS WAIST CIRCUMFERENCE RANGING FROM 28-54 IN (71-137 CM) AND UP TO 64 IN (163 CM) WITH ASPEN EXTENSION PANEL →

FLX 456 TLSO - Code L0456 Approved	514563	FLX 627 Lumbar - Code L0627 Approved	516273
FLX 639 LSO - Code L0639 Approved	516393	Universal Extension Panels - 10 in (25 cm)	506505
FLX 637 LSO - Code L0637 Approved	516373	Therapy Pack	990005
FLX 631 LSO - Code L0631 Approved	516313		