

# Custom Spinal LSO Bivalve Orthosis

Smooth Overlap

## Product Overview

The LSO with a bivalve opening allows for tightening on both sides, connecting the anterior and posterior. The low profile orthosis allows compression, expansion, adjustability and good lateral control.

## Spinal Indications

- Post-Operative Lumbar Surgery
- Degenerative Disc Disease
- Spondylolysis
- Spinal Stenosis
- Compression Fracture
- Herniated Disc
- Low Back Pain

## Features

- Bivalve design allows for maximum anterior and posterior control.
- Accommodates volume changes.
- Sternal shield can be added to control flexion or enhance an extension force.

## Bivalve Opening: Overlap Options & Configurations

### Bivalve Opening Overlap Options:

Smooth Overlap (Pictured), Step Overlap, With Tongues

### Bivalve Configurations:

Anterior over Posterior, Anterior into Posterior



Anterior View



Left Lateral View



Posterior View

Send your orders to:  
[orders@spinaltech.com](mailto:orders@spinaltech.com)

Send your CAD files to:  
[cad@spinaltech.com](mailto:cad@spinaltech.com)

For product options see  
reverse side.

## **Product Options**

### **Recommended Plastic**

Polyethylene (PE) 3/32", 1/8", 5/32", 3/16" (Least Rigid)

Modified Polyethylene (MPE) 1/8", 5/32", 3/16" (Semi Rigid) (if Transfer pattern is requested)

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### **Available Plastics**

Copolymer (CP) 1/8" or 5/32" depending on patient size  
(Call for available color options)

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### **Recommended Aliplast Liner**

3/16" Aliplast

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### **Other Liner Thickness Available**

1/8", 1/4" Aliplast

Note: This orthosis can also be unlined.

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### **Spinal Reliefs**

Surgical relief (wide and gradual)

Spinous Process (narrow)

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### **Sternal Extensions**

Sternal Shield (axilla or shoulder straps)

Cow Horns

C.A.S.H. Pad - Cruciform Anterior Spinal Hyperextension (articulating pectoral pads)

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### **Loops & Chafes**

Plastic Loop and Chafe

Extended Plastic Chafe

Extended Dacron Chafe

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### **Fasteners**

Screws and Barrel Nuts

Speedy Rivets

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### **Other available options**

Paraspinal reinforcements