



Anterior View



Left Lateral  
View



Posterior View

### Product Overview

The anterior and posterior sections of the high profile TLSO Flex Foam® 2 – Bivalve opening are connected by a set of three heavy-duty hook and loop straps on each side, allowing compression, expansion and adjustability, with good lateral control. The patented design of the Flex Foam® 2 sandwiches a plastic frame between a soft foam inner lining and a firm outer foam. Desired rigidity is achieved by fabricating the inner frame with optional plastic types and thicknesses. Multiple opening and frame designs are available to accommodate medical needs.

### Spinal Indications

- Cerebral Palsy
- Osteoporosis
- Myelomeningocele
- Scoliotic Deformities
- Muscular Dystrophy
- Cancer Patients

### Features

- Increased comfort for patients.
- Lightweight.
- The Flex Foam® design works well with both the geriatric and pediatric population.
- The inner frame can be fabricated with any desired plastic type and thickness for desired rigidity.

### Bivalve Opening: Overlap Options & Configurations

#### Bivalve Opening Overlap Options:

Smooth Overlap (Pictured), StepOverlap, With Tongues

#### Bivalve Configurations:

Anterior over Posterior, Anterior into Posterior

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**

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

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**Available Plastics**

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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**Standard Flex Foam® Liner**

1/4" (soft) x 1/8" (firm)

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**Other Liner Thickness Available**

3/16" (soft) x 1/8" (firm)

1/8" (soft) x 1/8" (firm)

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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**

Shoulder straps

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## Flex Foam® 1 - Frame Design Options



Standard Posterior  
Frame Cut-Out



Flex Foam® Frame  
Design - Standard  
Anterior Frame Cut-  
Out



Custom Trim  
Available Allowing  
for Boney Reliefs  
and Access to  
Necessary Ports



Figure Eight Design  
Allows Posterior  
Conversion to LSO



Small Abdominal  
Cut-Out Allows  
Anterior Conversion  
to LSO

## Flex Foam® 1 - Overlap Options



Bivalve Flex Foam® I  
- Anterior into  
posterior trim foam



Anterior over  
posterior trim foam



Anterior into  
posterior foam  
overlapping foam



Open with tongues



Anterior over  
posterior foam  
overlapping foam

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