

Custom Spinal TLSO Flex Foam® 1 Bivalve Orthosis

Smooth Overlap



Anterior View



Left Lateral
View



Posterior View

Product Overview

The anterior and posterior sections of the high profile TLSO Flex Foam 1 - 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 frame is lined with soft foam, available in several thicknesses, to maximize comfort. Multiple opening and frame designs are available to accommodate medical needs.

Spinal Indications

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

Features

- Patented Flex Foam® design.
- Lightweight.
- The Flex Foam® design works well with both the geriatric and pediatric population.
- Increased comfort for patients

Bivalve Opening: Overlap Options & Configurations

Bivalve Opening Overlap Options:

Smooth Overlap (Pictured), Step Overlap, With Tongues

Bivalve Configurations:

Anterior over Posterior, Anterior into Posterior

Send your orders to:
orders@spinaltech.com

Send your CAD files to:
cad@spinaltech.com

For product options see
reverse side.

Flex Foam® 1 - Frame Design Options



Standard Posterior
Frame Cut-Out



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



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



Anterior over
posterior foam
overlapping foam

Product Options

Recommended Plastic

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

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)

Standard Flex Foam® Liner

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

Other Liner Thickness Available

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

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

Spinal Reliefs

Surgical relief (wide and gradual)

Spinous Process (narrow)

Sternal Extensions

Sternal Shield (axilla or shoulder straps)

Cow Horns

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

Loops & Chafes

Plastic Loop and Chafe

Extended Plastic Chafe

Extended Dacron Chafe

Fasteners

Screws and Barrel Nuts

Speedy Rivets

Other available options

Shoulder straps

Paraspinal reinforcements

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