



TRUE FORMING BACK

custom seating reimagined





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Customer Satisfaction

Stealth Products is committed to 100% customer satisfaction. Your complete satisfaction is important. Please contact us with feedback or suggested changes that will help improve the quality and usability of our products. You may reach us at:



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True Forming Back

CUSTOM SEATING REIMAGINED

The **True Forming Back (TFB)** is designed for comfort, custom fit, and trouble-free adaptability. It comes in three different series to fit most back support configurations: **Linear**, **Flex** and **Contour**.

TFB Linear backs come in either Rectangular (**R-Back**) or I-Style (**I-Back**) and can be ordered in either Full-Width (**FW**) or Between the Canes (**BTC**) versions. The planar shell design provides a clean, easy to use platform to install attaching hardware and secondary positioning accessories. A wide range of modifications are available to achieve your client-specific outcome.

TFB Flex backs are designed in a rehab style with a more ergonomic fit, providing more lateral thoracic support than traditional custom back supports. The shell design provides a clean, easy to use platform to install attaching hardware and secondary positioning accessories. The shell also incorporates a central cut-out, providing a kyphosis relief. Removable, flexible staves are inserted in the cover that can be molded to the shape of the client to help support kyphotic posture.

TFB Contour backs are designed a customizable rehab style back support. The contoured shell design provides easy access for attaching hardware and secondary positioning accessories. Varying contour depths provides a more ergonomic fit and improved stability. A variety of modifications are available to configure this back support to your client's specific needs.



FEATURES SHARED THROUGHOUT THE SERIES



Lateral Support Slots

Lateral can be set up easily thanks to the TFB slot system. Adjust height with high precision.

Back Sizing

TFB Contour, Linear and Flex (Modular) series widths start at 10in to 24in (25.40cm to 60.96cm). The *TFB Flex Active/Deep* starts from 12in (30.48cm). **All TFB series** heights start from 10in to 22in (25.40cm to 55.88cm).

When ordering, remember that widths and heights refers to the *chair's back support frame dimension* at 1in (2.54cm) increments.

Cover Options

Coolcore, Stealth-Tek and Air Mesh covers are available throughout the series.

Foam Selections

Choose from a variety of foam layers, lumbar support, to an instant personal molding configuration with the F.I.P.S Liquid SunMate® (Foam-In-Place Seating).

TB FOAM SELECTIONS

OPEN CELL



Medium

SUNMATE® FRG



Extra Extra Soft



Extra Soft



Soft



Medium Soft



Medium

Open Cell (OC3)

Open cell polyurethane foam is a soft foam. Open cell refers to the cell walls, or surfaces of the bubbles, which are broken so that air fills all of the spaces in the material.

SunMate® Fire Retardant Graphite (FRG) Cushions

FRG cushions provide the same high impact energy absorption and soft pressure properties as regular SunMate®, but with an added element of safety. SunMate® FRG contains a **non-halogenated fire retardant** that allows the cushion to pass more stringent fire tests. FRG also provides medical or government facilities, required to purchase equipment that meets strict fire codes, with a safe, high-quality cushion option.¹

The FRG is a patented all-natural fire retardant material (no additives) made of 33% to 36% plant-based ingredients.

1. Information extracted from Dynamic Systems Inc. website.

TFB COVER OPTIONS



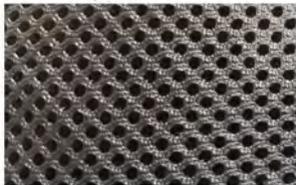
COOLCORE

Coolcore® is a research proven performance fabric technology that adapts to its environment and regulates temperature by managing heat and moisture. The proprietary construction helps manage and distribute moisture quickly throughout the fabric to enhance the evaporation and drying time.



STEALTH-TEK

Stealth-Tek is a nylon/polyester fabric coated with polyurethane through a cast coating method. These type of fabrics are waterproof with stretch capability and applications in medical and healthcare.



AIR MESH

Air Flow Mesh is equipped with fine pores for superior air circulation.

TFB LINEAR & CONTOUR F.I.P.S (NEOPRENE COVER)

Foam in Place packages include a neoprene cover for Foam in Place and one unit FIPS Solution. FIPS SunMate® liquid foam technology allows for a custom mold of the client to be created on the spot. This molded foam option provides postural accommodation and contributes to reduced pressure by supporting a larger surface area.





SIZE MODIFICATION

WIDTHS FROM

1in (2.54cm)
increments

HEIGHTS FROM

10 to 24in
(25.40 to 60.96cm)

10 to 22in
(25.40 to 55.88cm)

TFBMD XX YY RCF -C

TFB Modification Prefix

SERIES

Linear Series	R R-Back
	I I-Back
	C Contour
	F Flex

COVERS

C Coolcore®
M Air Mesh
T Stealth-Tek™
F F.I.P.S

DEPTH OR MOUNT

Contour		Flex		Linear Series
A Active	A Active	B BTC*		
4 Deep	2 Modular	F Full Width		
6 Extra Deep	6 Deep			

*The **between the canes (BTC)** option reduces the overall width of the back support being ordered by 3in (7.62cm) to allow for the back to fit between the uprights of the chair. The **BTC** option also changes how the hardware is mounted and its configuration to fit these purposes.



FOAM MODIFICATION

CONTOUR

- A** Active Contour
- D** Deep Contour

SIZE

- S** Small - 13 to 16in (33.02 to 40.64cm)
- L** Large - 21 to 24in (53.34 to 60.96cm)

TFBFAS-B-OC3-.5

TFB Foam Prefix

LAYER

- B** Base Layer
- M** Middle Layer
- C** Contact Layer

TYPES

- OC3** Open Cell
- SMFRG1** Extra Extra Soft
- SMFRG2** Extra Soft
- SMFRG3** Soft
- SMFRG4** Medium Soft
- SMFRG5** Soft

THICKNESS

- .5** 1/2in (1.27cm)
- 1** 1in (2.54cm)



LATERAL SUPPORT OPTIONS

FORMAT

- R** Rectangle (R-Back)
- I** I-Style (I-Back)
- C** Contour
- F** Flex

LATERAL PREFIX

TFBR-LTU-L

TFB Prefix

STYLE

- | | |
|-------------------------|--------------------------------|
| F Fixed | U UniLink |
| L TWB Link Style | SS UniLink Short |
| M Modular | I UniLink In-Line Swing |
| S Thin Standard | R Swing Away FSC |
| T Thin | RS Swing Away FSC Short |

SIDE

- L** Left Side
- R** Right Side





DIRECT MOUNTING OPTIONS

Direct Mounting Modification

ONLY AVAILABLE FOR TFB LINEAR & CONTOUR

TFBMNT-QNTM

TFB Mounting Prefix

FOR BACKS ABOVE
13in Width x 12in Height
(33.02cm) (30.48cm)

BRAND

QNTM Quantum Rehab®

PERM Permobil®

SUNR Sunrise Medical®



Back Shell
Direct Mounting
Cutout

SIMPLE SOLUTIONS

PWC ADAPTER PLATE OPTIONS

BRAND

TB4 Quantum Rehab®

GEN General

OPTIONAL CONFIGURATIONS

-PED Pediatric

-TRT For Tarta®

-HD TB4 Heavy Duty



SSAPT4-PED

Simple Solutions™
Adapter Plate Prefix

SSAPGEN-PED



SSAPGEN

The **Simple Solutions** Adapter Interface mounts to a Power Wheelchair (PWC) with minimal seat depth loss, which is a huge advantage compared to similar solutions in the rehab market. Contoured backs reduce seat depth loss even further.

This Adapter Interface works with (but not limited to): Matrx®, Jay® J3®, Comfort Company's Acta-Back®/Acta-Embrace™ Series, Roho® Agility® Aluminum Series, Ride® Java®/Custom, and Tarta®. Also works with all Stealth Products® Back Supports.



SSAPT4-HD

The interface will mount on PWCs including: (**TB4**) Quantum Rehab® TB3, TB3-HD, and TB4, (**GEN**) Permobil®, Rovi® and other PWCs with similar mounting configurations.



Width or Height under 14in (35.56cm) is considered pediatric



BLINEAR

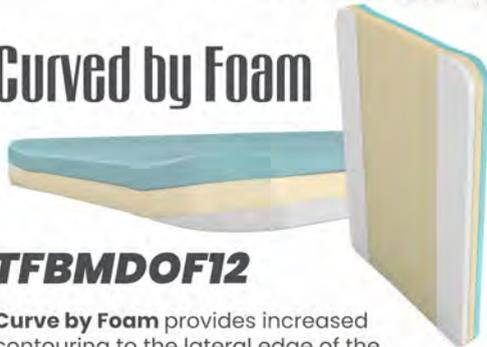
R-BACK I-BACK





LINEAR SERIES OPTIONS

Curved by Foam



TFBMDOF12

Curve by Foam provides increased contouring to the lateral edge of the back support.

Lumbar Support Insert

Can be placed behind the foam for increased lumbar or PSIS support



TFBMDOL10

Bi-angular Back



- ▶ Two sections hinged together for angle adjustment
- ▶ Helps to facilitate natural spinal curvatures, improving overall alignment
- ▶ The bi-angular back may be instrumental in control of posterior pelvic tilt and head control
- ▶ R-Back and I-Back configurations available

The Bi-angular back option splits the back into a lower and upper portion which are hinged, providing angle adjustment at the top of the pelvis. This option can keep the pelvis in a neutral tilt while promoting trunk extension and a more upright head.

TFBMDOB15

TFB Modification Options Prefix

Bi-Angular Prefix

Cover Style

1	One Piece
2	Two Pieces
3	3in (7.62cm)
4	4in (10.16cm)
5	5in (12.70cm)
6	6in (15.24cm)
7	7in (17.78cm)

Lower Portion Height



LINEAR MOUNTING OPTIONS

Both, the I-Back and the R-Back, use same back mounting hardware options.

STYLE

- AK** Adjustable Knob
- JL** J&L
- QR** Quick Release
- TF** Trouble Free

TFBHWRT**TF****2B**-**100**

Optional Flag*
100

TFB **Linear** Mounting Hardware Prefix

POINTS

- 2** 2 Points
- 4** 4 Points

ANGLE

- B** Between the Canes
- F** Full Width

CANE SIZE

- 100** 1in (2.54cm)
- 078** 7/8in (2.22cm)
- 034** 3/4in (1.91cm)

* Depends on mounting style



LINEAR SERIES

R-BACK

THE MOST MODIFIABLE BACK IN THE TFB SERIES

The R-Back can be modified in many ways, including but not limited with:

- 1.** Two-piece lateral wings that can be used as contour extensions or lateral support. With up to four (4) points of support. Unique to the R-Back.
- 2.** Bi-angular back modification to add back contact surface for conditions as fixed kyphosis.
- 3.** F.I.P.S, a special liquid foam solution for the most personal fit, comfort and support for your client. Available only for TFB Linear Back Series.

R-BACK

CONFIGURATION AND TWO-PIECE LATERAL SUPPORT

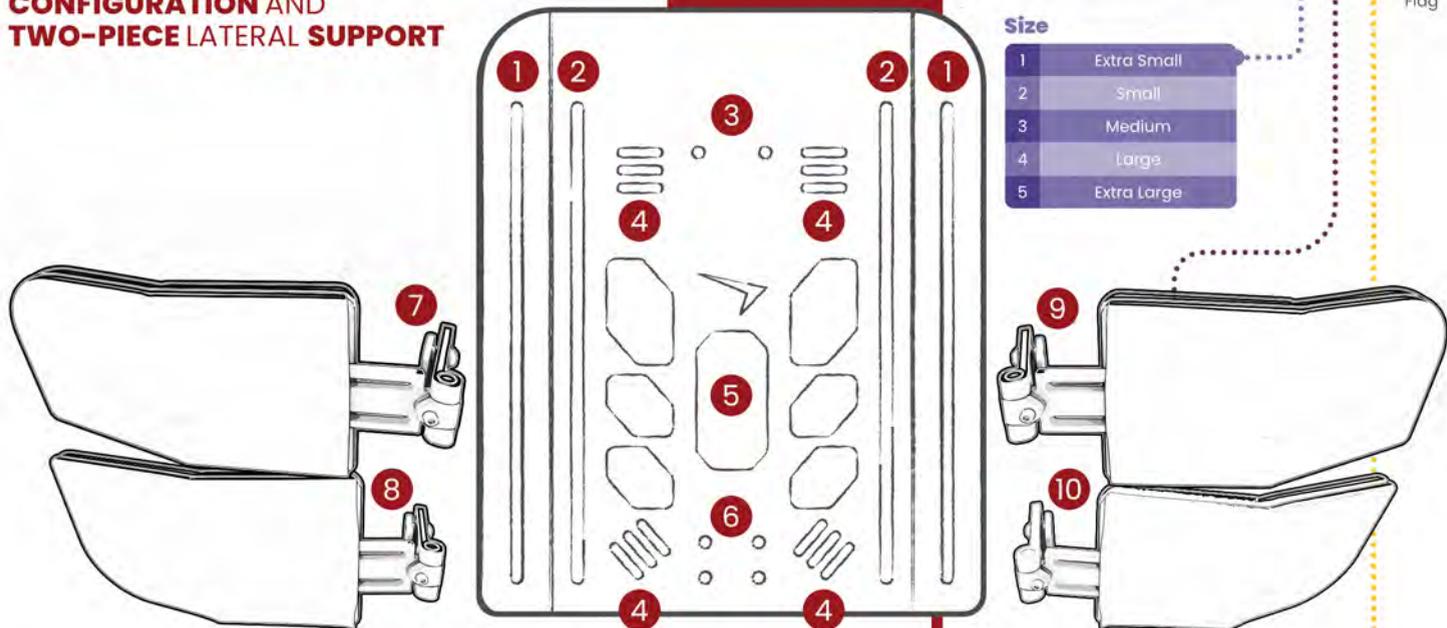
LATERAL WING ITEM NUMBER

TFBMDOLWLOT-C

TFB Modification Options Prefix

Lateral Wing Prefix

Cover Only Flag



- 1. Lateral Support Slot
- 2. Mounting Option Slot
- 3. Head Support Thread
- 4. Positioning Harness Slots
- 5. Lightweight Cutouts
- 6. Seat-to-Back Bracket Threads
- 7. Left Side Upper Lateral Wing (optional)
- 8. Left Side Lower Lateral Wing (optional)
- 9. Right Side Upper Lateral Wing (optional)
- 10. Right Side Lower Lateral Wing (optional)

Size

1	Extra Small
2	Small
3	Medium
4	Large
5	Extra Large

Position

1	Lower Left
2	Lower Right
3	Upper Left
4	Upper Right

Cover Material

C	Coolcare
M	Air Mesh
T	Stealth-Tek
F	F.I.P.S.

* For between the cane configurations, mounting is installed on lateral support slots



LINEAR SERIES

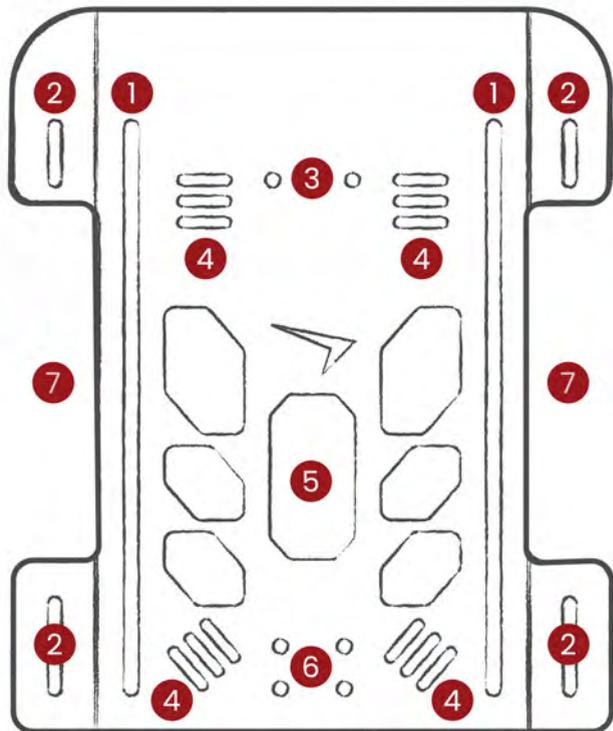
I-BACK

Compatible with the
Bi-Angular back and
F.I.P.S (foam-in-place)
modifications

◀ The **TFB I-Back** brings the lateral support closer to the client. It also addresses the constant growth changes for pediatric clients.



I-BACK SHELL CONFIGURATION



1. Lateral Support and **Full Width** Mounting option Slot
2. **BTC** Mounting Option Slot
3. Head Support Threaded Holes
4. Positioning Harness Slots
5. Lightweight Cutouts
6. Seat-to-Back Bracket Threaded Holes
7. 2in (5.08cm) I-Style Cutout





CONTOUR

FLEX





CONTOUR

ACTIVE

2in (5.08cm)
Contour Depth



DEEP

4in (10.16cm)
Contour Depth



EXTRA DEEP

6in (15.24cm)
Contour Depth





CONTOUR LATERAL SUPPORT

Deep Solid Shell



**Extra Deep
With Contour
Extension**

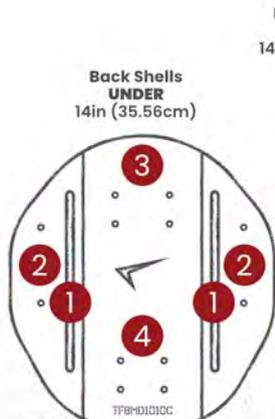


CONTOUR

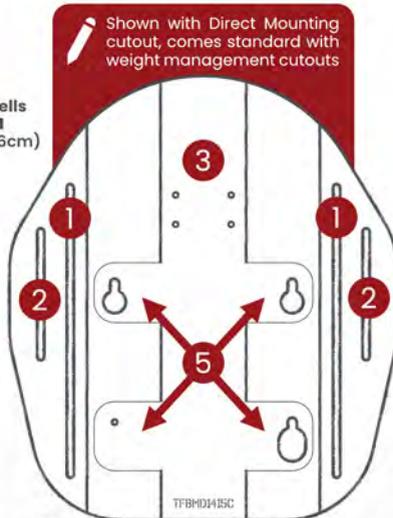
ACTIVE SHELL CONFIGURATION

1. Lateral Support or Mounting Slot
2. Lateral Support Slot/Holes
3. Head Support Holes
4. Seat-to-Back Hardware Holes
5. Direct Mounting Cutout (Optional)
6. Lightweight Cutouts

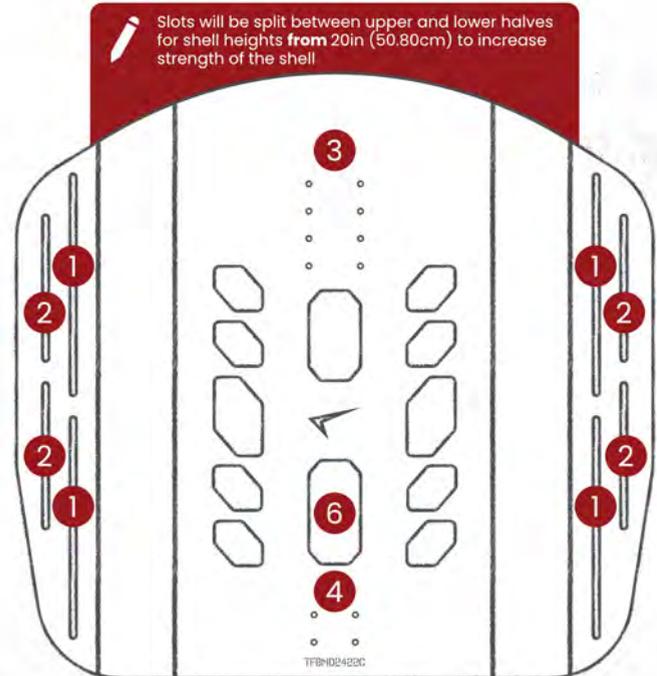
Width or Height under 14in (35.56cm) is considered pediatric



Back Shells FROM 14in (35.56cm)



Back Shells FROM 18in (45.72cm)



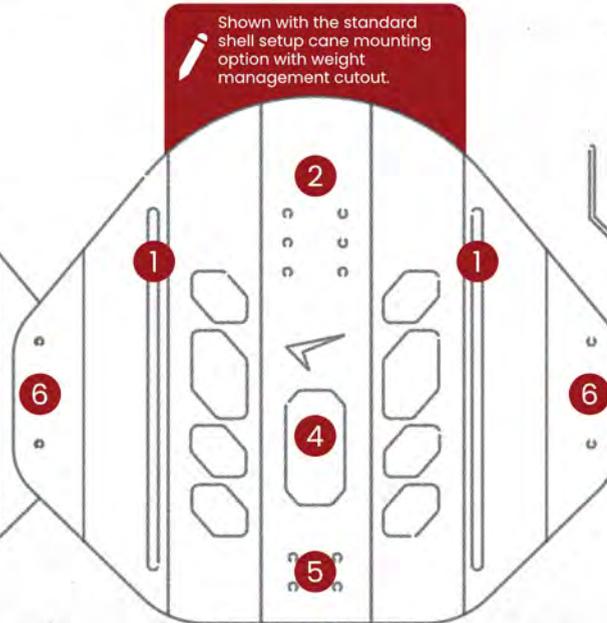
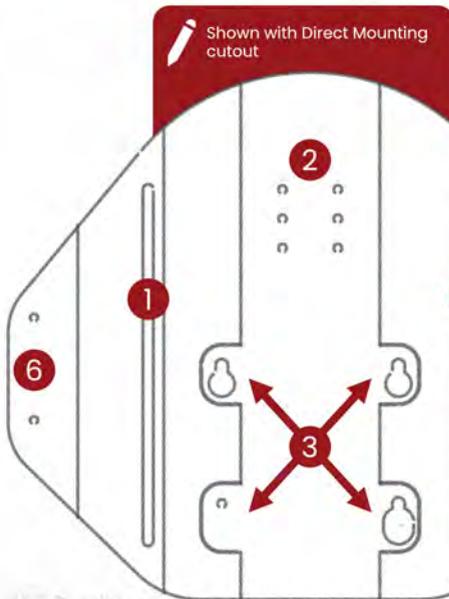
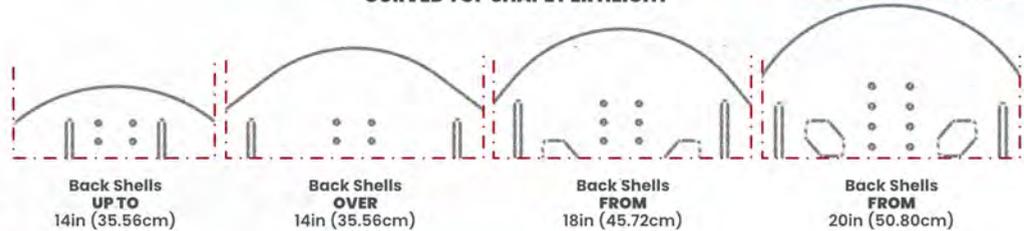
CONTOUR

DEEP SHELL CONFIGURATION

Width or Height under 14in (35.56cm) is considered pediatric

1. Mounting Slot
2. Head Support Holes
3. Direct Mounting Cutout (Optional)
4. Lightweight Cutouts
5. Seat-to-Back Hardware Holes
6. Extra Deep Contour Extension Holes

CURVED TOP SHAPE PER HEIGHT



CONTOUR BEND PER WIDTH





CONTOUR MOUNTING OPTIONS



for Active
45° Edge Bend

**SIMPLE
SOLUTIONS**

Stability

STYLE

- 2PS** SSS 2 Points
- 4PS** SSS 4 Points
- FL2** FlipLock™ 2 Points
- FL4** FlipLock 4 Points
- SS4** SS 4pts (HD Prefix)



for Active
45° Edge Bend

TFBHW C FL4T

TFB Hardware Prefix

Contour

FlipLock™

4 Points includes
2 Points J&L Hardware



with the exception of
SS™ Stability 4 Points Heavy Duty
in which case all four points are the
same hardware

**4 Points option is strongly recommended
for back heights over 20in (50.80cm).**

**Heavy Duty is required for shells over
24in x 22in (60.96cm x 55.88cm)**

Optional configurations not for
2PS or 4PS style options

OPTIONAL CONFIGURATIONS

- S** Standard
- T** Tall
- HD** SS Heavy Duty



BFLEX



ACTIVE



(6.35cm)
Contour Depth **2 1/2 in**

MODULAR



(5.08cm)
Contour Depth **2 in**

DEEP



(15.24cm)
Contour Depth **6 in**



FLEX FORMATS OVERVIEW

Modular

2in (5.08cm)



Active/Deep

2 1/2in (6.35cm)

6in (15.24cm)

Shown with Deep Contour Extension



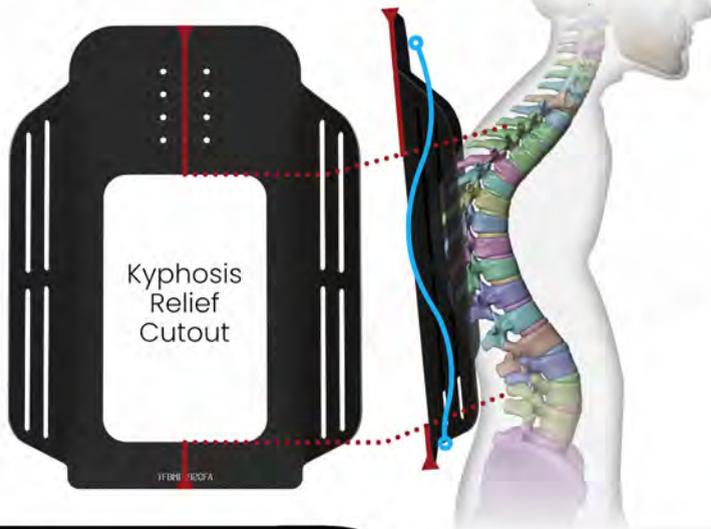
Pediatric Size comparison shown

The Flex Modular consist of a flat backrest with slots for the 2in (5.08cm) contour extension. Perfect for conditions where configuration would fluctuate or for asymmetric situations.

The Flex Active consist of contoured backrest with integrated lateral support at a 45° angle. Each shell has slots which provide adjustable attachment positions for mounting hardware and lateral support hardware or deep contour extensions.



FLEX BACK SHELL FEATURES



KYPHOSIS RELIEF CUTOUT

The TFB Flex includes a pressure relief cutout to accommodate mild kyphosis and increase overall pressure distribution along the posterior trunk.

MOLDABLE THERMOPLASTIC STABILIZER

For a client with a mild to moderate non-reducible kyphosis, two moldable thermoplastic stabilizers can be used to create a more custom contour. These can be molded to the desired shape with a heat gun.

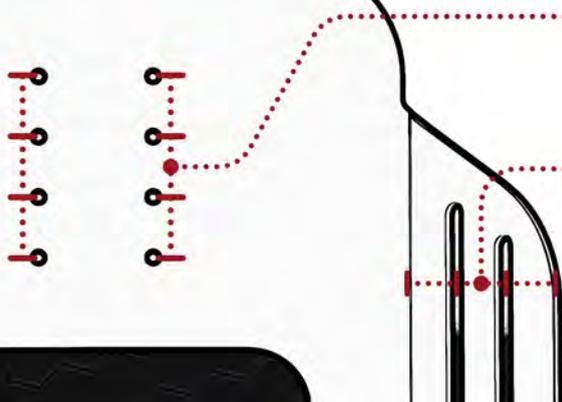
-  Pressure Relief Cutout
-  Moldable Thermoplastic Stabilizer

HEADREST MOUNTING HOLES

Back shells includes a single or multiple rows of 17/8in (4.76cm) pattern holes, each row spaced at about $\approx 1/4$ in (0.67cm) of distance from one another.

HARDWARE SLOTS

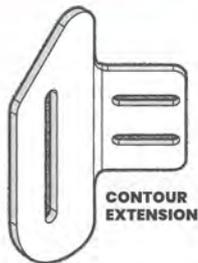
Hardware slots are located at the 45° angle edge to standardize location among series. The slots are spread 1in (2.54cm) in distance from each other and from edge.



FLEX MODULAR CONFIGURATIONS

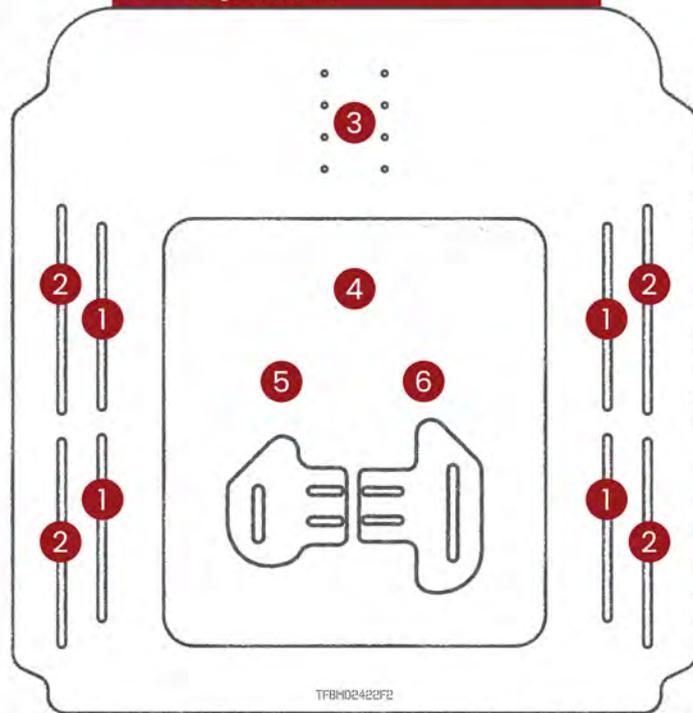
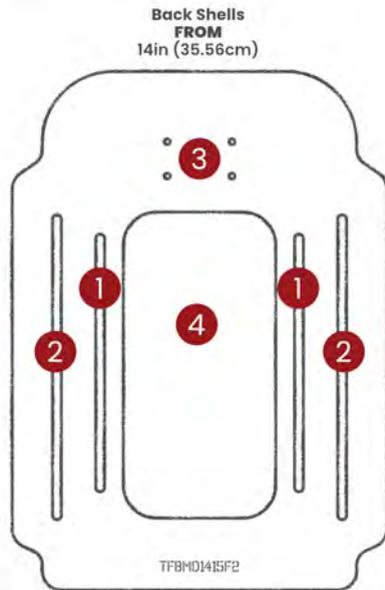
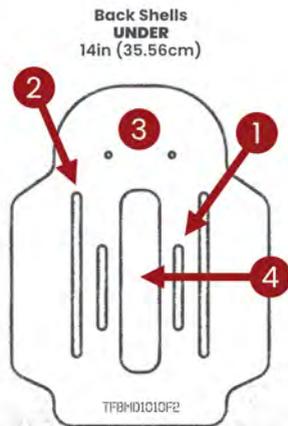
Width or Height under 14in (35.56cm) is considered pediatric and uses the 4in (10.16cm) small contour extension

1. Mounting Slot
2. Lateral Support Slot
3. Head Support Through Holes
4. Kyphosis Relief Cutout
5. Pediatric Contour Extension
6. Adult Contour Extension



Back Shells FROM 18in (45.72cm)

Slots will be split between upper and lower halves for shell heights from 20in (50.80cm) to increase strength of the shell





FLEX MOUNTING OPTIONS

SIMPLE SOLUTIONS

Stability



STYLE

- SS** Simple Solutions
- FL** FlipLock™



FlipLock™

TFBHW FSS2T

TFB Hardware Prefix

Flex



POINTS

- 2** 2 Points
- 4** 4 Points

BRACKET

- S** Standard
- T** Tall
- HD** SS Heavy Duty

4 Points includes 2 Points J&L Hardware



with the exception of **SS™ Stability 4 Points Heavy Duty** in which case all four points are the same hardware

4 Points option is strongly recommended for back heights over 20in (50.80cm)

Heavy Duty is required for shells over 24in x 22in (60.96cm x 54.88cm) or 300lbs client weights

FLEX ACTIVE / DEEP CONFIGURATIONS

Width or Height under 14in (35.56cm) is considered pediatric.

Widths start at 12in (30.48cm) for Flex Active/Deep

1. Mounting Slot
2. Lateral Support Slot
3. Head Support Through Hole
4. Kyphosis Relief Cutout
5. Shell Size
6. Extra Deep Contour Extension

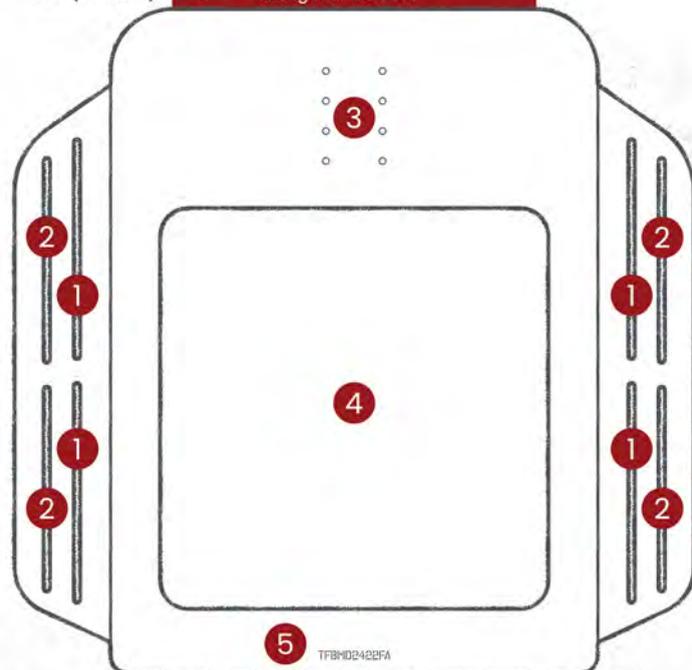
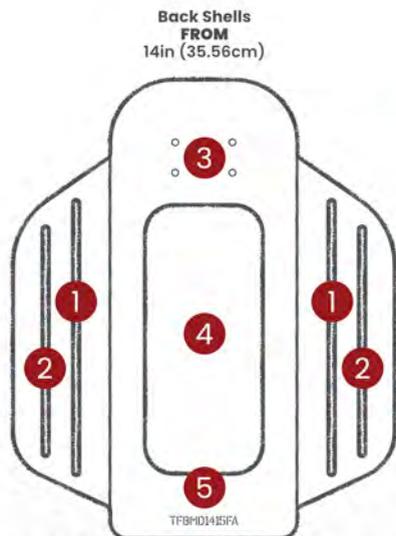
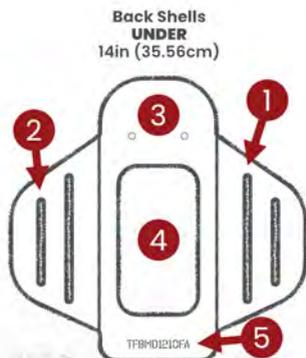


DEEP CONTOUR EXTENSION
Adds 3 1/2in (8.89cm) to the 2 1/2in (6.35cm) depth in the Active shell

Back Shells FROM
18in (45.72cm)



Slots will be split between upper and lower halves for shell heights from 20in (50.80cm) to increase strength of the shell





CUSTOM BACK SUPPORT REIMAGINED

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