

ADVANCED FITTER'S GUIDE



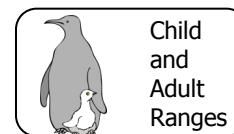
This Guide contains Information for adapting a range of pre-assembled head supports for assessment purposes. 4 starter kits. Additional cover modules are supplied with the complete head supports to allow the creation of a further range of symmetrical and asymmetrical head supports.



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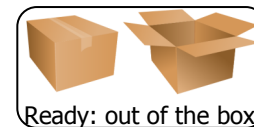
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Child and Adult Ranges

Adult and Childrens Sizes
The modular concept head support in both exceptional children and adult ranges in an 'out of the box' or 'build your own' configuration.



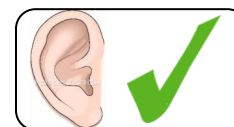
Ready: out of the box

Ready to Fit
A wide range (24+) of shapes and support options are available pre-assembled. Further options can be built with extension kits.



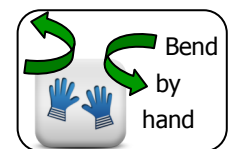
Combine for need

Patented Modularity
There are more permutations than you will need but the most clinically effective one can be easily created by changing extensions.



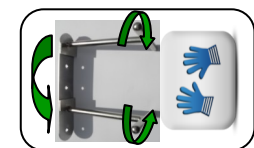
Hear without injury

Prevent Pressure Injury, Promote Better Hearing
In every head support ear clearance is maximised, pressure injury risks reduced and natural hearing easily allowed.



Bend by hand

Rapid shaping
If the needed 'off the shelf' shape of Heads First is not exactly as required then bend it by hand for fast in situ changes.

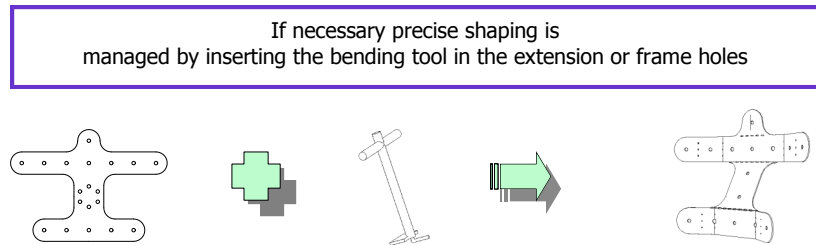
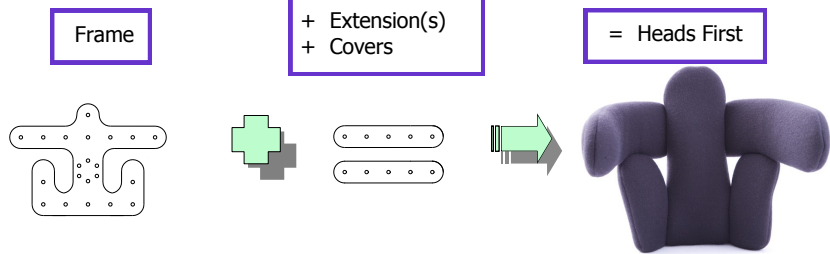
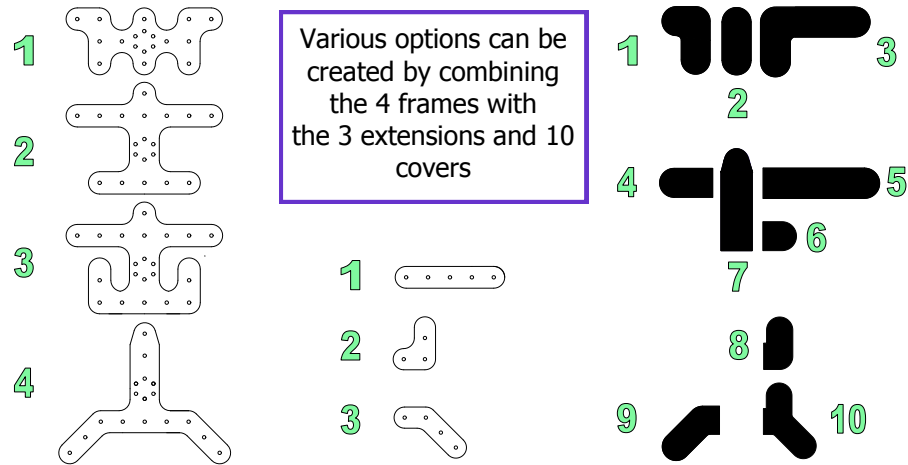


Twist+bend precisely

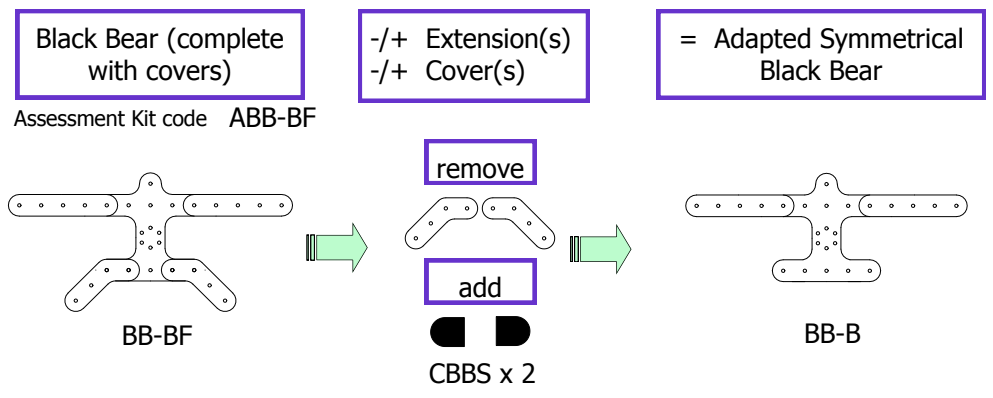
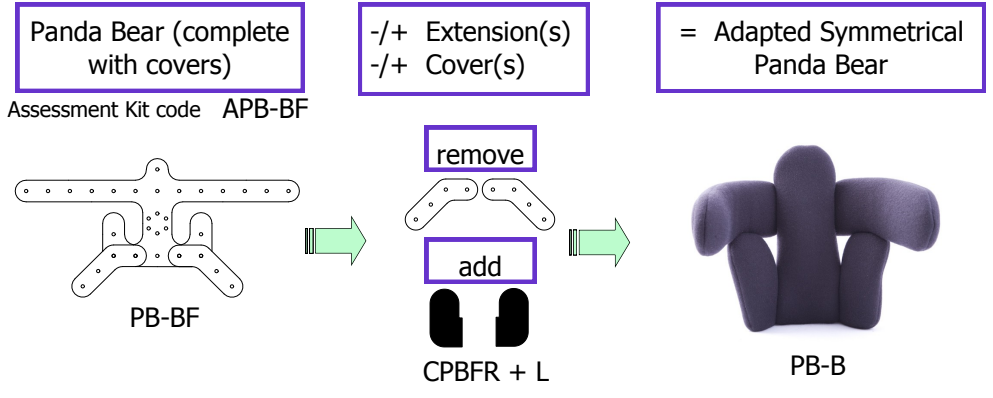
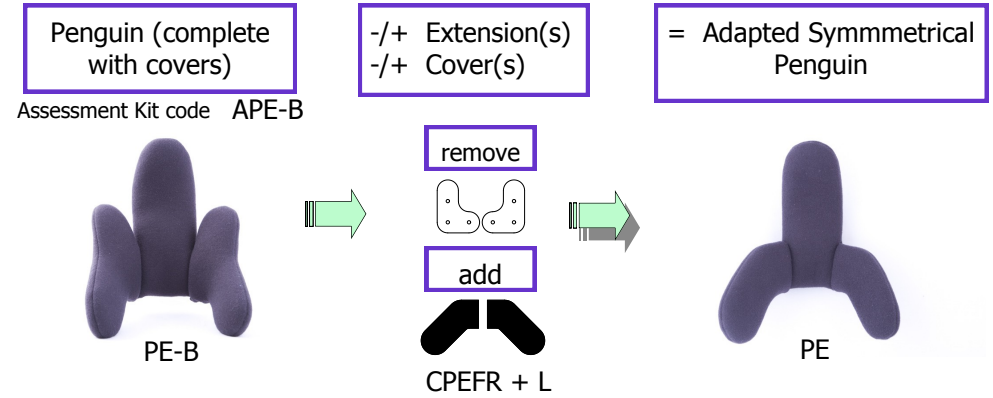
Unique Capability
If a more precise fitted shape is needed clinically then the bend tool can give millimetre accuracy by bending and/or twisting in any direction.

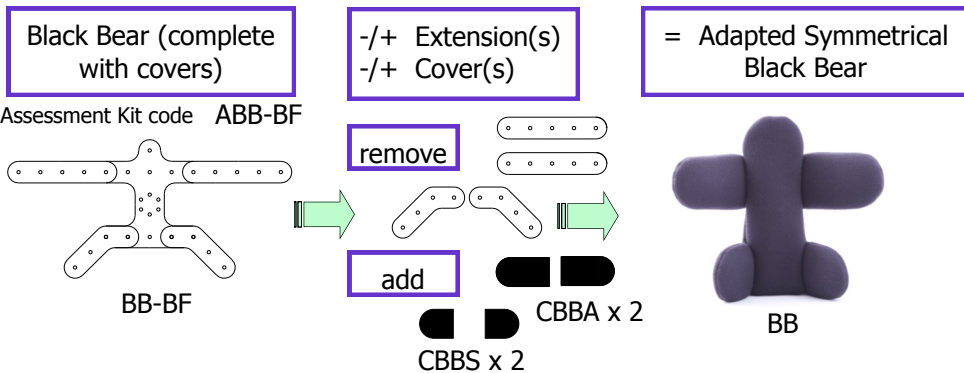
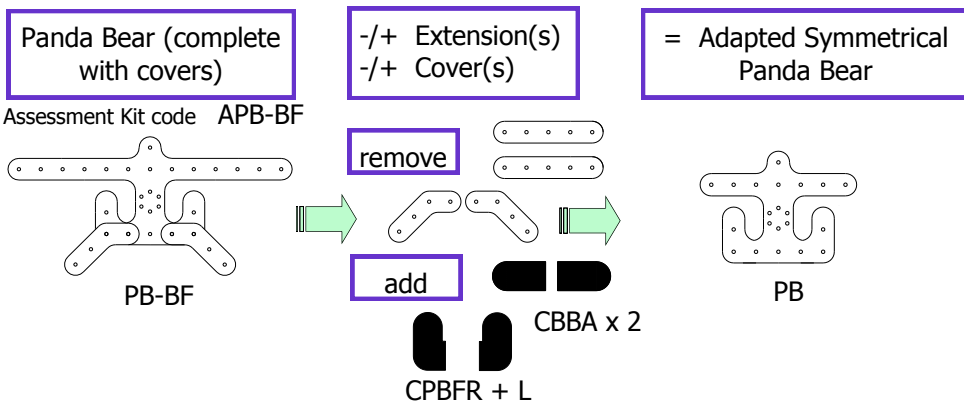
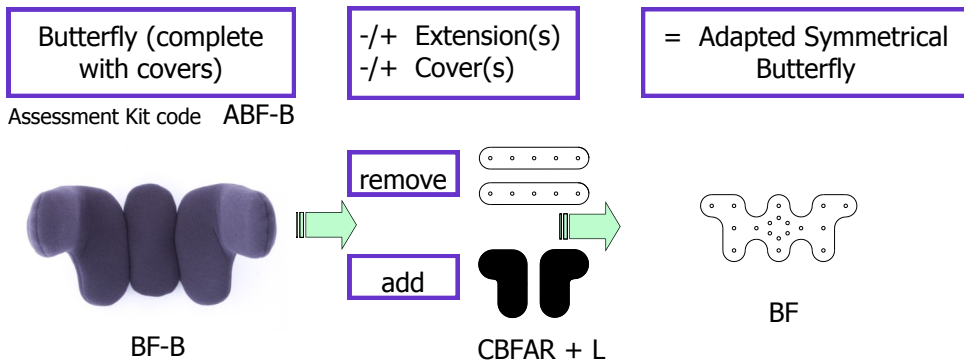
Heads first

A new concept in head support



Section 1: Heads first complete head supports as



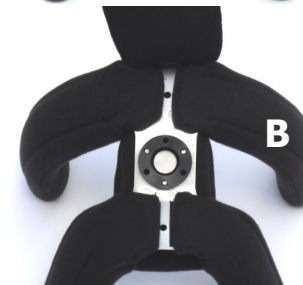


Plus numerous (~18) asymmetrical alternatives (using the spare and starting covers)



Picture A

Back of one of the Black Bear Range. Part of the mounting bracket can be seen in the middle of the back cover.



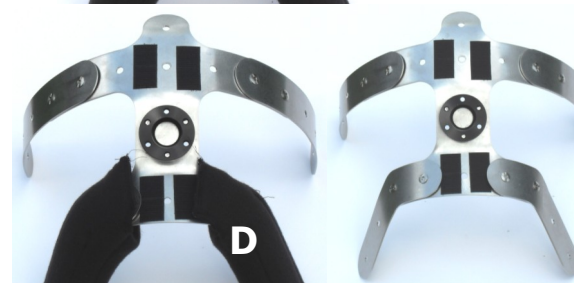
Picture B

Pull tongue of central cover forward off the Velcro. Once disconnected peel up and out of the way. In the process disconnect the Velcro on the left and right sides of the cover at the level of the mounting bracket. This exposes the end tabs of each of the four arm and leg covers of this version of the Bear.



Picture C

Peel each of the 4 tabs of the 4 covers up and off the Velcro on the Metal Frame. The arm and leg covers can now be easily slid off their respective arm and leg frame members.



Pictures D

Left picture shows the arm covers removed. Right picture shows the leg and arm covers removed.

Section 3: Heads first bending and twisting

Picture E

When re-assembling insert metal support into inner foam pouch (beneath exposed grey foam edge) of each cover section.

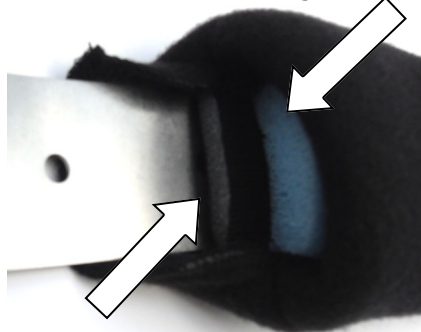


Do not insert metal into any other position!

See correct position below



Foam Padding, blue, on user-side of metal, to the front



Metal goes into foam pouch, beneath grey edge

Picture F

Fit metal at top of Head Support into pouch on top of central cover before pulling the back down to engage the Velcro at the bottom.



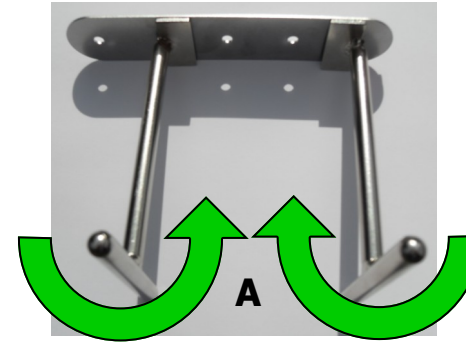
Picture G

Flap the cover down and pull the Velcro tabs over the base of the Frame. Press the bottom of the front of the central cover onto the Velcro. Finally fit the Velcro flaps at the level of the mounting disc under the edges of the right and left of the central disc.



Picture A

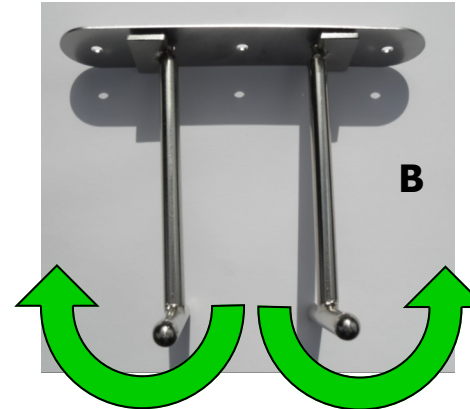
Bending, Positive Curvature:



The Bending Tongs or Bending Irons can be used to shape the frame or any extension using the regularly spaced 6mm holes. Adjustable spanners can also be used for this purpose. As shown, simple bending is done by rotating the tongs in the direction of the arrows

Picture B

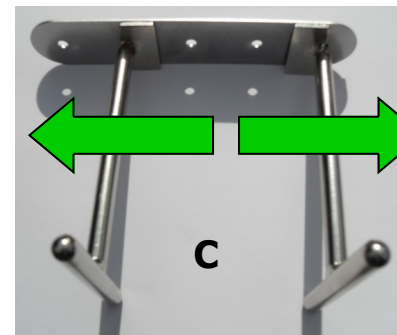
Bending, Negative Curvature:



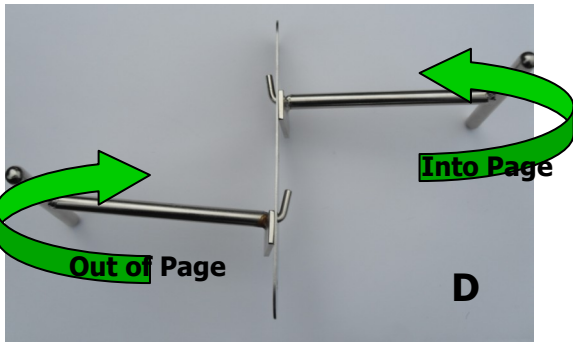
To create a simple bend in the opposite direction rotate the tongs 180° and bending the direction of the arrows.

Picture C

Bending Radius Variation:



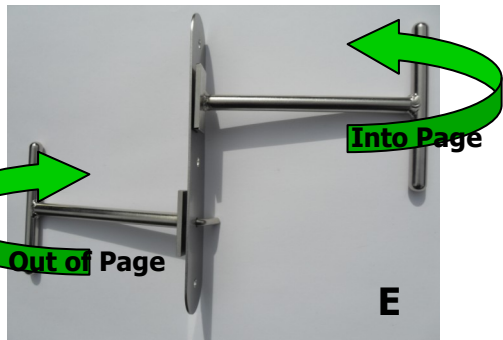
By adjusting the number of holes between the tongs the radius of curvature, positive, as in the picture above, or negative can be achieved.



Picture D

Twisting at 90°

By turning the Bending Tongs out of the page, in opposite directions, a twist of the extension can be obtained.



Picture E

Twisting inline:

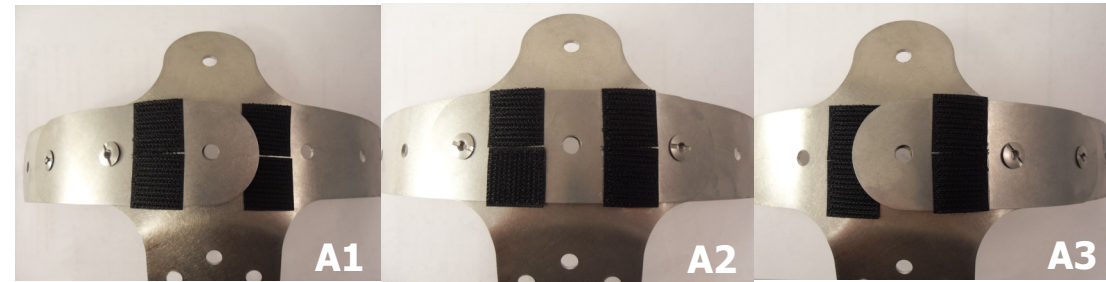
If there is room the above mentioned effect can be obtained with the handles of the bending tongs in line with the frame or extension.



Picture F

Random Bending and Twisting:

Orthotist's bending irons (used in pairs) can allow independent bending and twisting or combined to produce any angle at any location on the Heads First sub-frame.



Picture A

When the reinforcing plate, Picture B, is fitted to the top of the Black or Panda Bear frames it will strengthen the head lateral arms to reduce bending with patients with high tone. It is fitted as shown above to the left, A1, centre, A2 and the right, A3.




Picture B

The curved 3 hole reinforcing plate as supplied in the reinforcing kit (without Velcro tabs fixed). The Velcro is fixed bilaterally or left or right depending on the position of the 5 hole lateral head extension that is fitted to the Panda or Black Bear frames. The final position of the Velcro is shown in Pictures E, F and G.

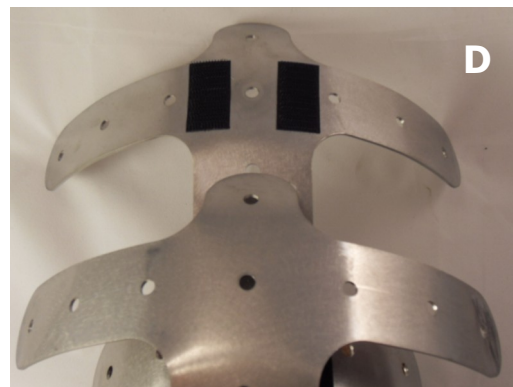


Picture C

Check that the radius of curvature of the main frame matches the 3 hole reinforcing plate and adjust as necessary. If the reinforcing plate is to be mounted off centre check the curvature also matches. Note that when the special screws are fitted they need to be tightened to the full depth of their thread. If the fit of the two metal parts is poor then the screws may not be fully engaged severely weakening the combined structure. 

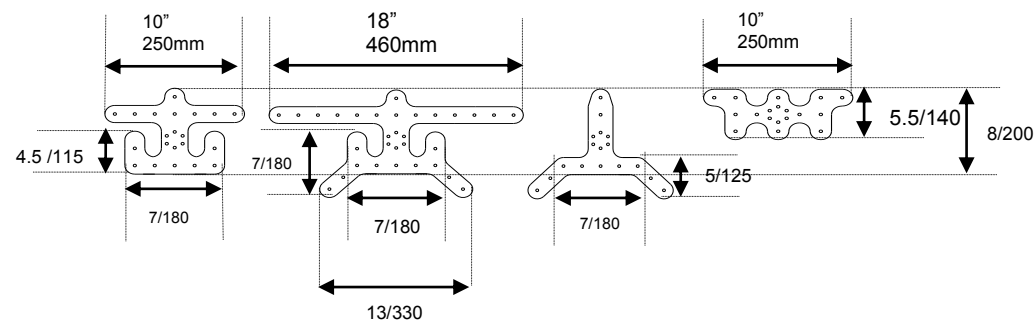
and bands when required

Section 5: Heads first Adult / Child dimensions



Picture D

To check the quality of fit of the reinforcing plate to the frame it may require removal of the left hand or right hand pair of Velcro squares first or both if the plate is fitting in the centre.

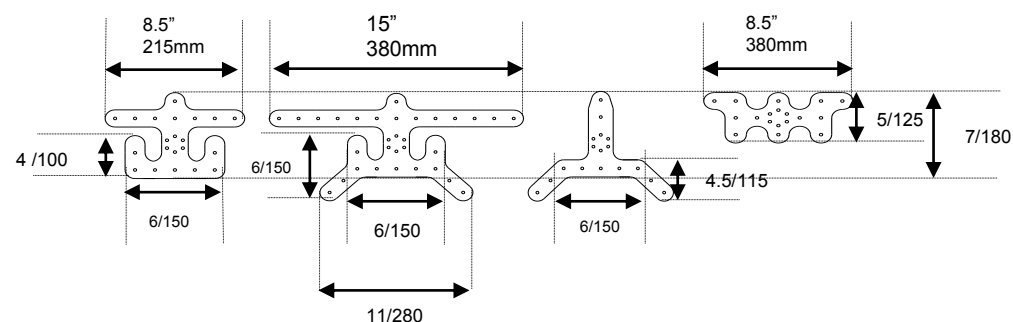


Surface Measurements of Covered **Adult** Heads First (inches / mm)



Pictures E, F, G

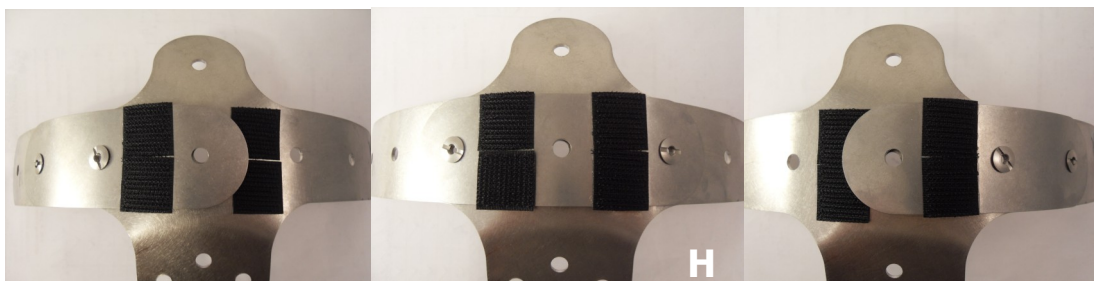
The fitting of the Velcro squares, as required, to the reinforcing plate.



Surface Measurements of Covered **Child** Heads First (inches / mm)

The user of this equipment, including professionals who may adjust and handle it, should read this Guide. This Guide contains important information about the use and application of the Heads First head support. Because of the clinical and safety ramifications of misuse, injury to the user or others could result if you are unclear about how it works. Please keep this Guide to refer to later.

Matrix Seating Limited (MSL) accepts no liability from mis-application of this product.



Pictures H

The final fitting of the reinforcing plate to the Panda or Black Bear frame with Velcro fitted appropriately so that the cover modules are held in position by the Velcro on the Velcro adherent cover material. See also Section 2 of this Fitter's Guide.



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