

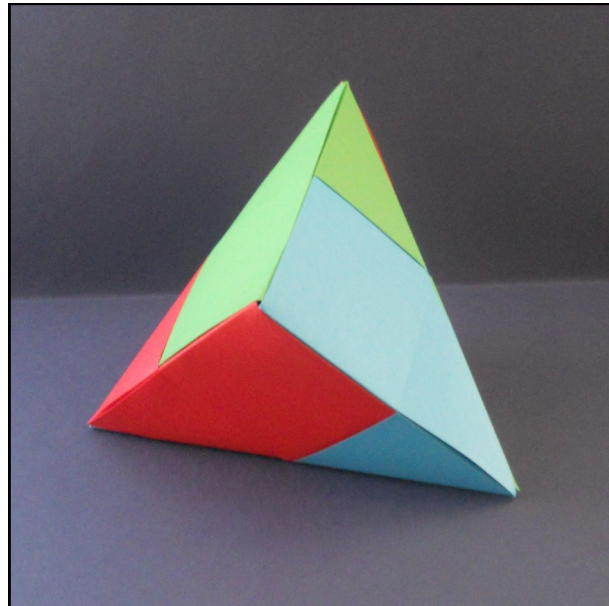
# Letterbox Alpha and Beta 3-Part Silverhexahedra

Designed by David Mitchell

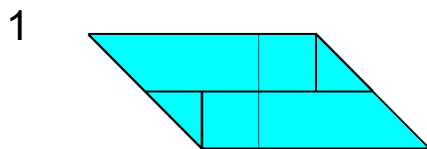
These diagrams show you how to make 3-part silverhexahedra from alpha and beta parallelogram Letterbox modules. The effect of using beta modules is to double the number of coloured areas present on the surface of the forms.

I discovered parallelogram Letterbox modules in 1987.

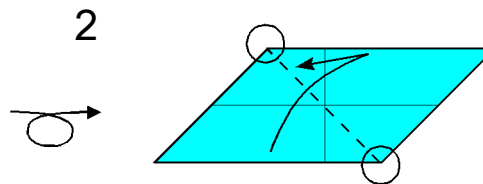
Both these silverhexahedra hexahedra are folded from three squares of paper. Diagrams for the basic form of the Letterbox module can be found elsewhere on this site.



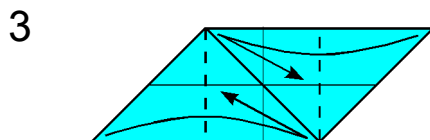
## From alpha modules



1. Begin by folding the basic module over sideways.

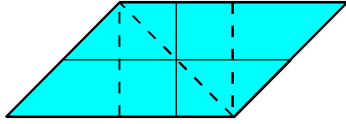


2. Fold in half diagonally from corner to corner as shown, making sure the new corners are sharp, then unfold.



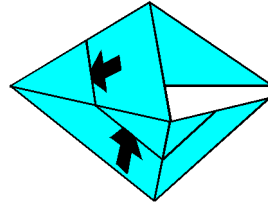
3. Fold the bottom left and top right corners inwards as shown, then unfold.

4



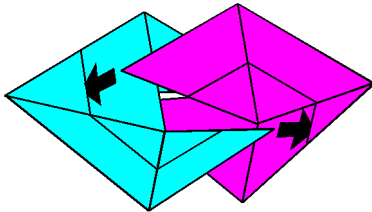
4. Use these creases to collapse the module into the shape shown in picture 5.

5



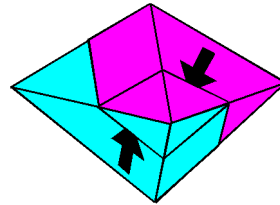
5. The first module is finished. The arrows indicate the location of the pockets. Make all four.

6



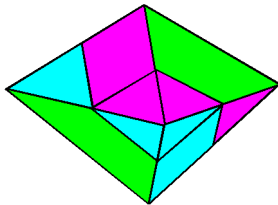
6. The first two modules go together like this.

7



7. Add the third module at the back underneath the arms of the first two modules. Tuck all the free arms into the matching pockets.

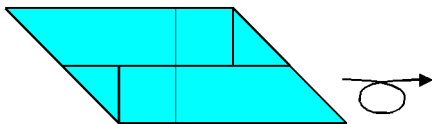
8



8. This is what the finished 3-part alpha silverhexahedron should look like.

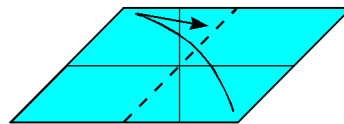
### From Letterbox beta modules

1



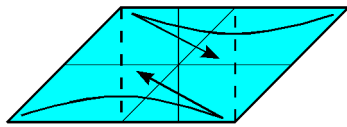
1. Begin by turning the basic module over sideways.

2



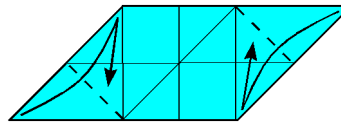
2. Fold in half diagonally from corner to corner as shown, then unfold.

3



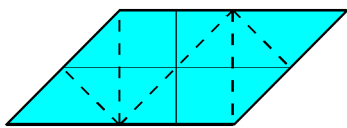
3. Fold the bottom left and top right corners inwards as shown, then unfold.

4



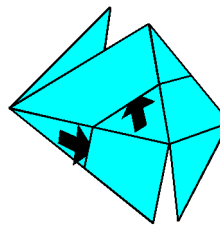
4. Fold the bottom left and top right corners inwards as shown, then unfold.

5



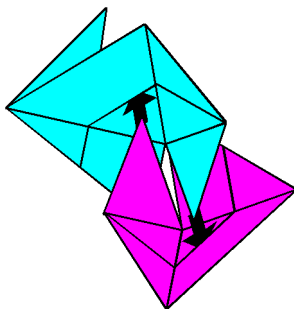
5. Use these creases to collapse the module into the shape shown in picture 6.

6



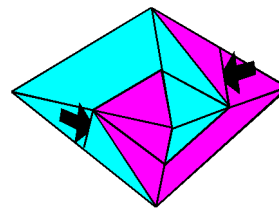
6. The first module is finished. The arrows indicate the location of the pockets. Make all four.

7



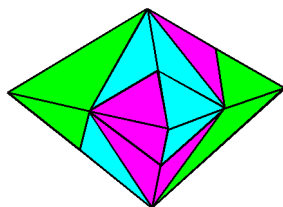
7. The first two modules go together like this.

8



8. Add the third module at the back underneath the arms of the first two modules. Tuck all the free arms into the matching pockets.

9



9. The finished 3-part beta module silverhexahedron should look like this.

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