

JORDAN Eikona 2 BIB Tapered Line

The BIB (Bigger Is Best) designs feature in a long-running thread at www.DIYaudio.com. The BIB is a variation on the Voigt quarter-wave horn. It is intended for corner positioning and the mouth should be within 90cm of the room ceiling.

The internal baffle is made up of two sections in order to clear the back of the Eikona. Alternatively a curved baffle could be used to increase rigidity; ensure, however, that the end point matches at A, B, C. The areas in blue are wadding to reduce treble and midrange output - for this reason, the fold in the line should NOT be fitted with reflectors.

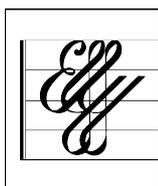
Size: 203h x 28d x 18.25w cm (exterior)
mouth area 331 cm²
Recommended material - 18mm ply.

Eikona centre
86 cm
down from top of enclosure (internal)

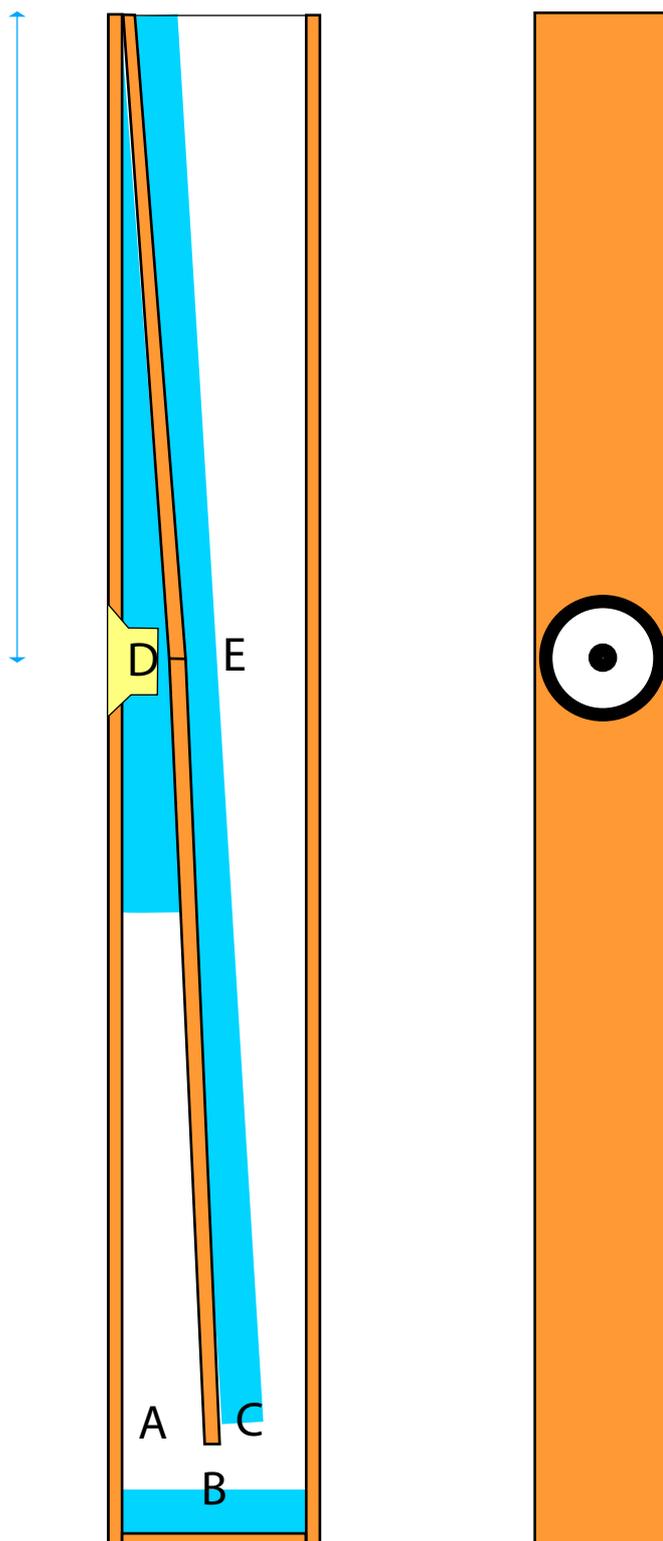
D = 8 cm
E = 14.6 cm

A, B & C = 11.3 cm

This design is based on the open source BIB calculator and has not been tested by us.



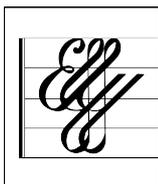
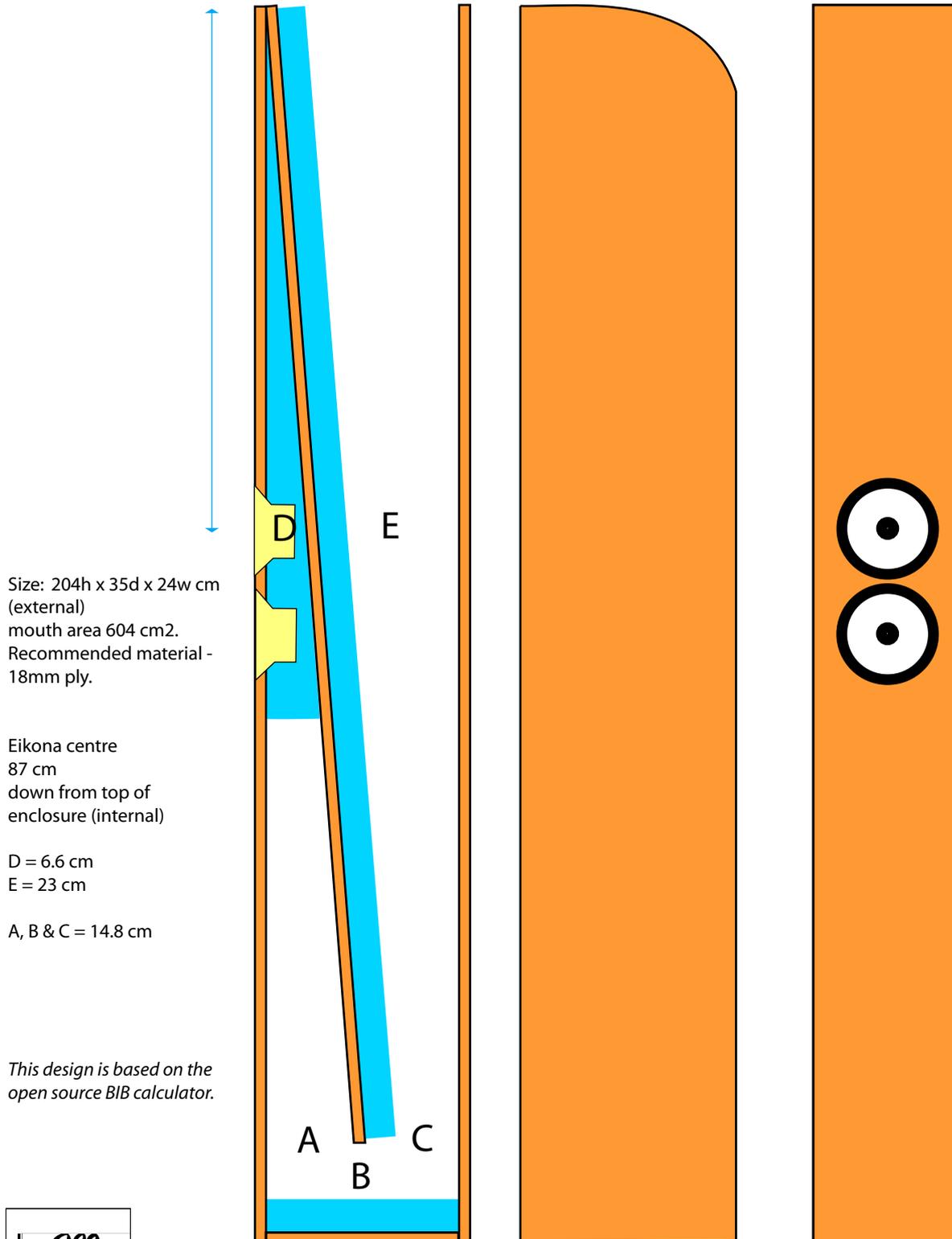
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JORDAN Eikona 2 BIB Tapered Line - 2 driver version

This version of the BIB is for two Eikona drive units. Bass extension remains the same but the amount of bass and power handling increases significantly. It is ideal for larger rooms. The Eikonas should be wired in series - the driver at ear height should be first in series as its inductance will reduce the HF to the second driver.

The side view shows a curved back to the side panels - this is purely a suggestion for visual effect; the BIB can be made as a straight box if required. The areas in blue are wadding to reduce treble and midrange output - for this reason, the fold in the line should NOT be fitted with reflectors.



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