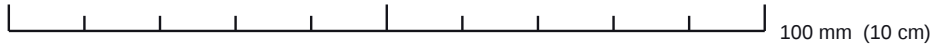


SPEAKER GRILLE - 125B BACKPLATE

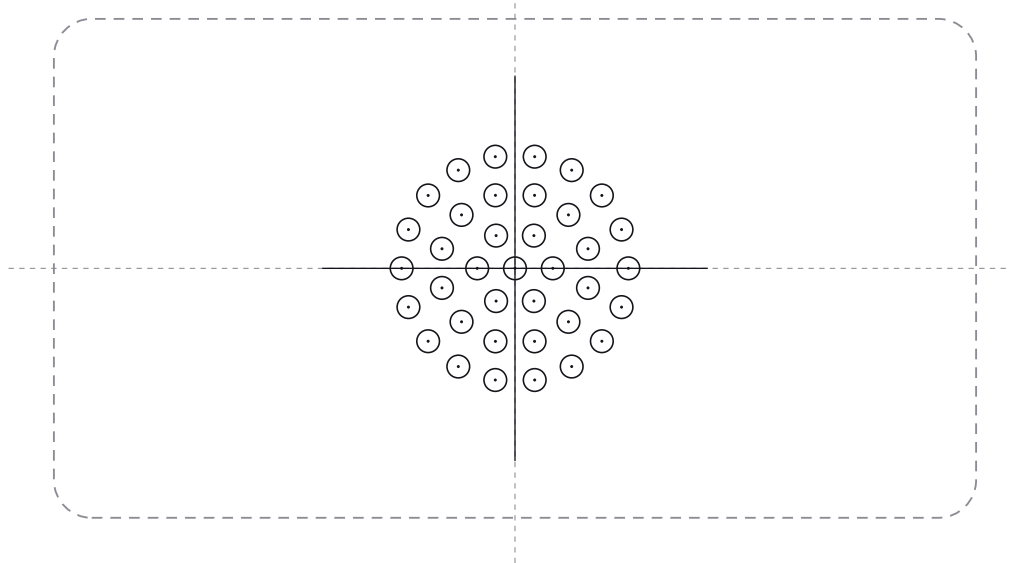
1:1 drill template | 3.0 mm holes | 5.24 mm pitch | 2.2 mm web

PRINT AT 100% / "ACTUAL SIZE" - NEVER "FIT TO PAGE"

Check the bar measures exactly 100 mm with a steel rule before you touch a drill.



125B backplate - 122 x 66 mm outside. Your lid sits about 1.5 mm inside this line.



MEDIUM GRILLE - 33 mm across, 37 holes, centred on the face

USE THIS PAGE WHOLE

Lay the whole sheet over the backplate and line the dashed outline up with the edges of the lid.

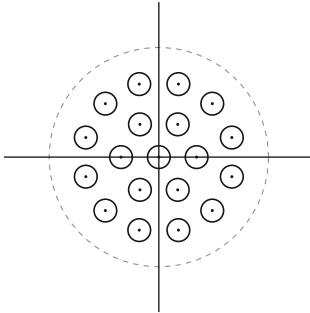
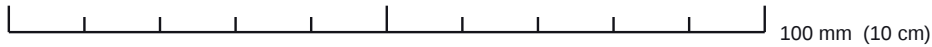
Tape all four sides so it cannot creep, then centre-punch every dot straight through the paper.

Peel the paper off and check your punch marks before any drill touches the metal.

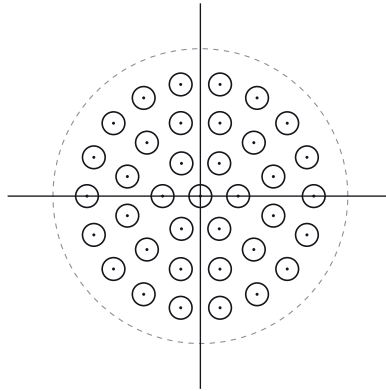
If you want a different size, or the grille somewhere other than dead centre, use page 2.

GRILLE SIZES - CUT OUT THE ONE YOU WANT

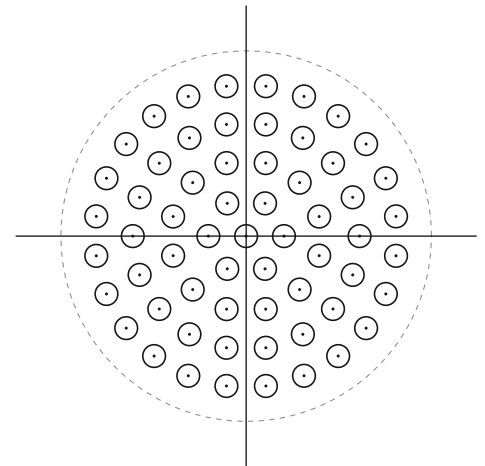
Dashed circle is the cut line. Crosshairs run past it so they line up with pencil centrelines on the lid.



SMALL - 23 mm
for a 28-32 mm speaker
19 holes



MEDIUM - 33 mm
for a 36-45 mm speaker
37 holes



LARGE - 43 mm
for a 45-57 mm speaker
61 holes

HOW TO USE IT

1. Print at 100% and check the 100 mm bar with a steel rule.
2. Cut around the dashed circle of the size you want.
3. Pencil a centreline both ways on the backplate and line the crosshairs up with them.
4. Tape it down on all four sides so it cannot creep.
5. Centre-punch every dot. Every single one, before you drill anything.
6. Peel the paper off, then pilot every hole at 2 mm.
7. Open them all to 3 mm.
8. Deburr both faces and wipe the swarf out of the box.

WORTH KNOWING

Drill from the outside face, so any tear-out lands on the inside where nobody has to look at it.

Keep the outer ring at least 12 mm in from any edge - the corner bosses and the lid lip live in there.

A 2.5 mm bit gives a finer grille with a 2.7 mm web. Below 2 mm it stops looking like a grille and starts looking like a mistake.

Seal the speaker to the back of the plate rather than letting it hang in free air, or you lose the low end.