

# Bastanis Open Baffle & Bass Loudspeakers

Wood Cutting Plans  
and  
OB Wiring Layout





Bastanis

Wood is either 25mm **Birch Ply** (preferable) or **MDF**

Note: diagrams are not drawn to scale



Bastanis



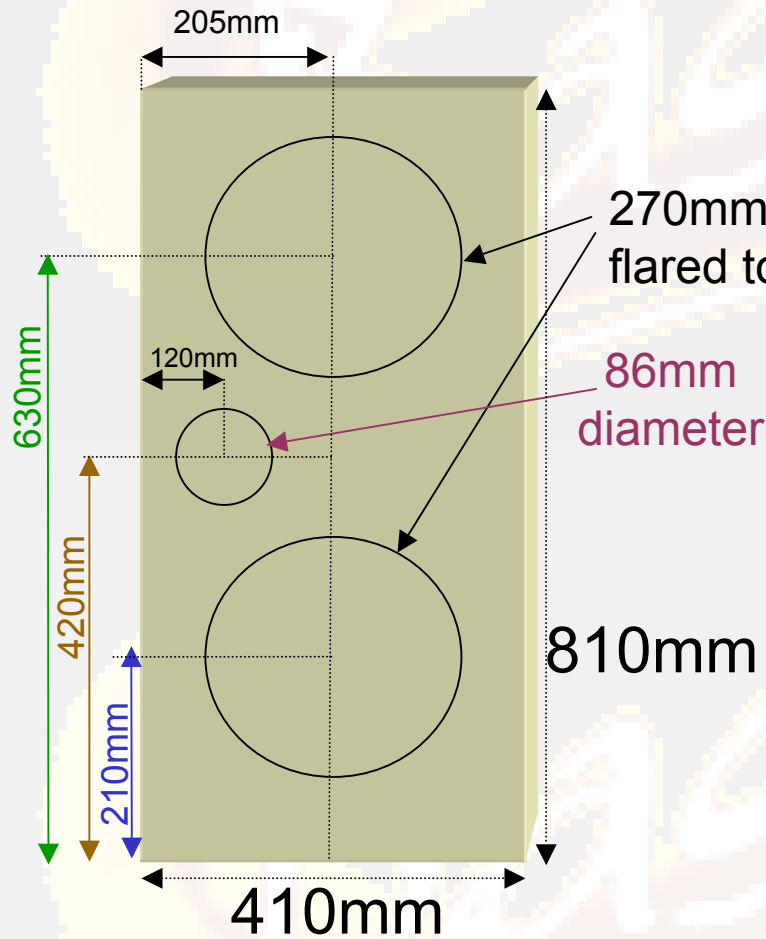
Bastamis

# **Atlas Main Baffle**

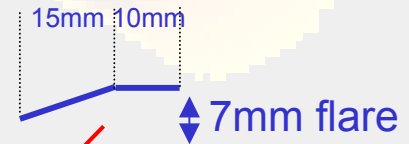


Bastamis

# Atlas Open Baffle Left

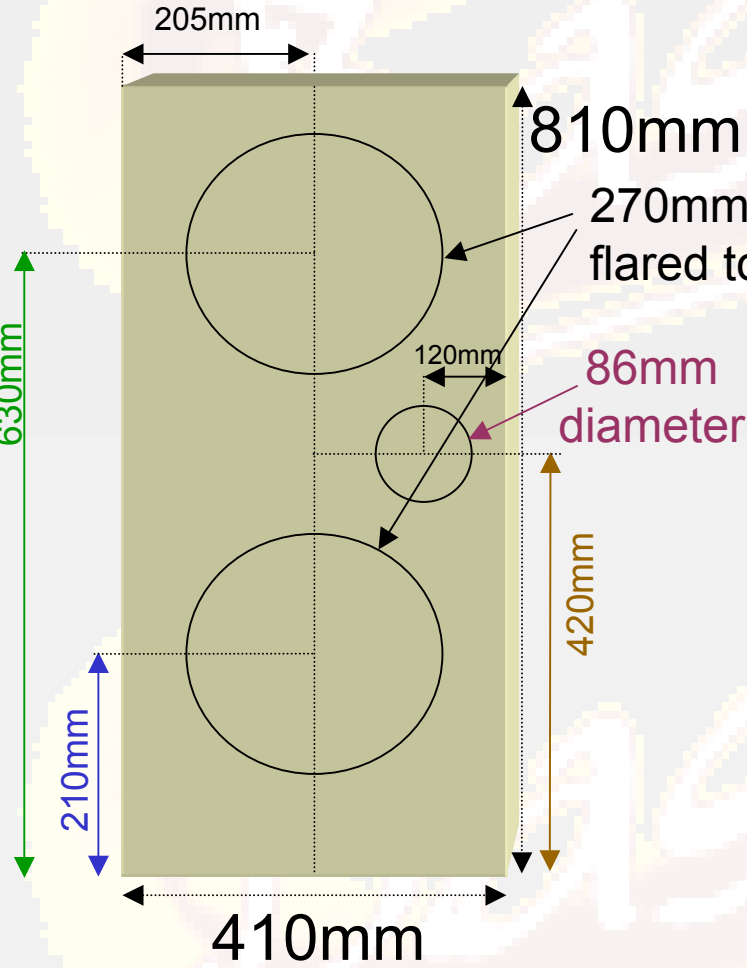


270mm hole "flares" to 284mm for front 15mm

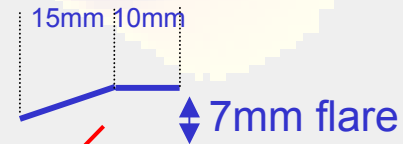


# Right Baffle 1 Piece 810mm x 410mm

# Atlas Open Baffle Right

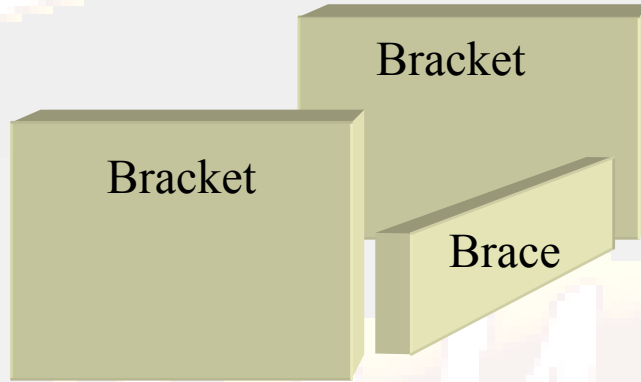


270mm hole "flares" to 284mm for front 15mm

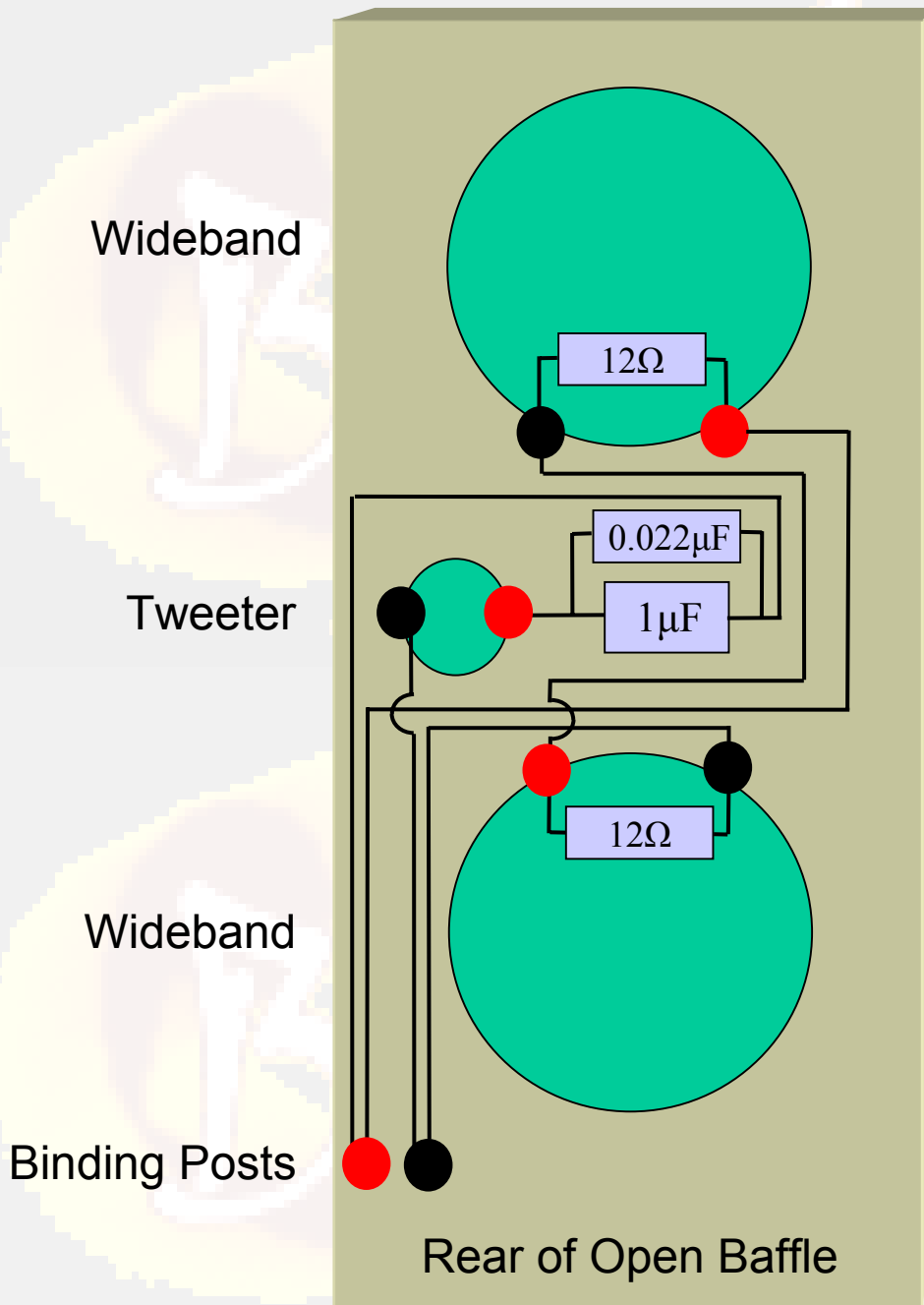


Brace 2 Pieces 330mm x 50mm  
Brackets 4 cut 250mm x 150mm

# Open Baffle Brackets



# Atlas Wiring Layout



Bastavis

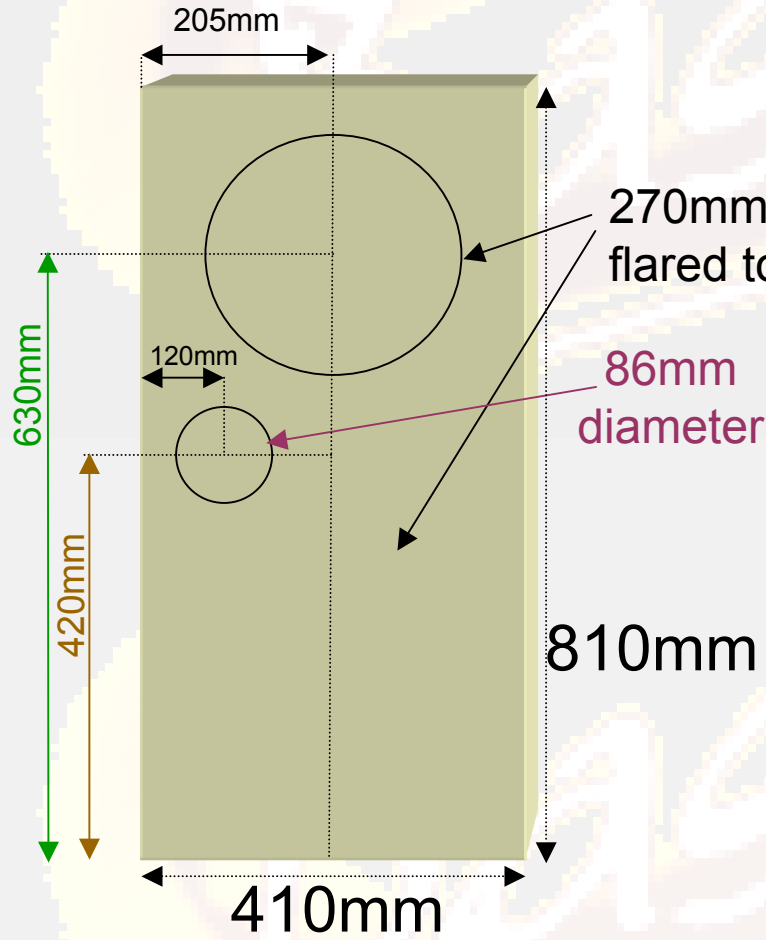
**Prometheus Main Baffle**

Bastavis

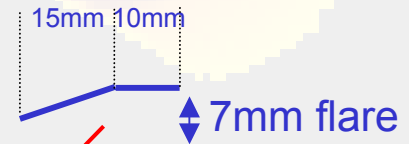


# Left Baffle 1 Piece 810mm x 410mm

# Prometheus Open Baffle Left

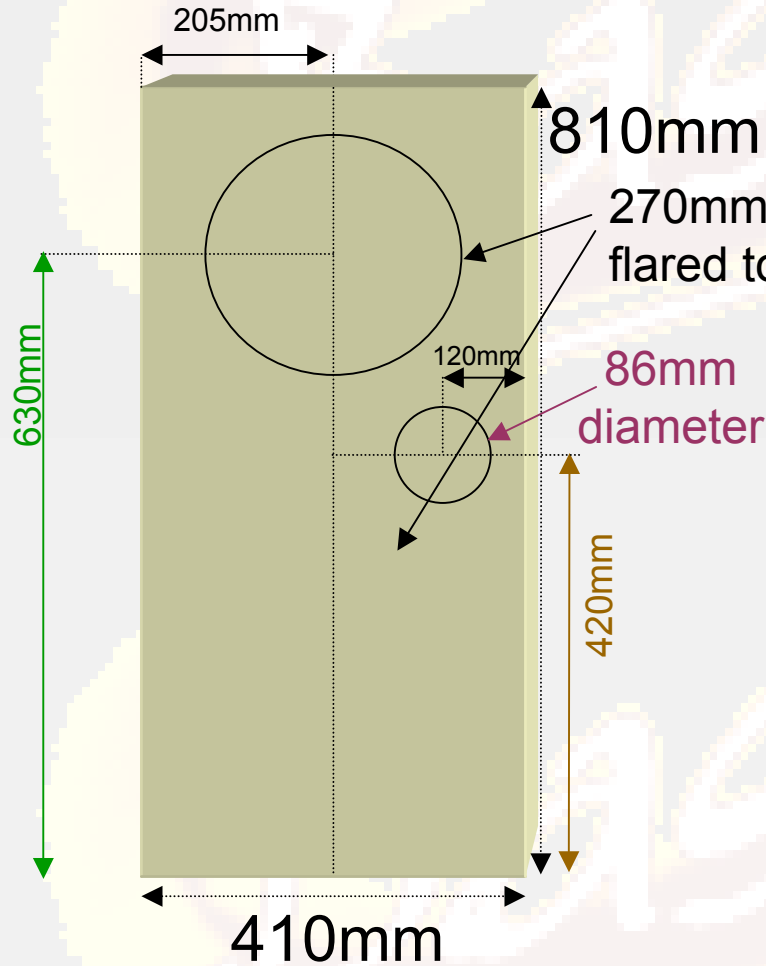


270mm hole "flares" to 284mm for front 15mm

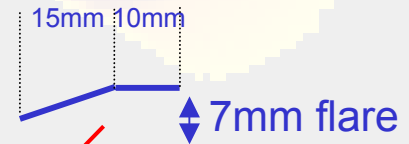


# Right Baffle 1 Piece 810mm x 410mm

# Prometheus Open Baffle Right

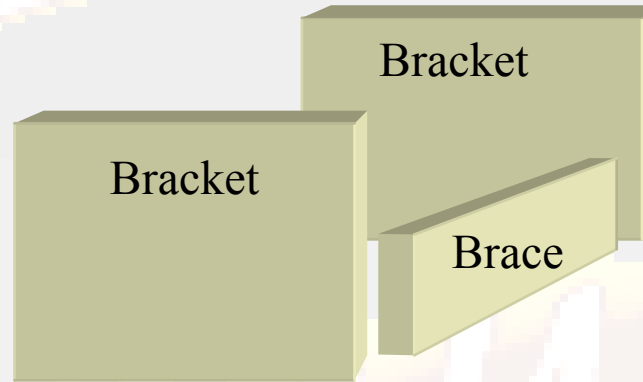


270mm hole "flares" to 284mm for front 15mm

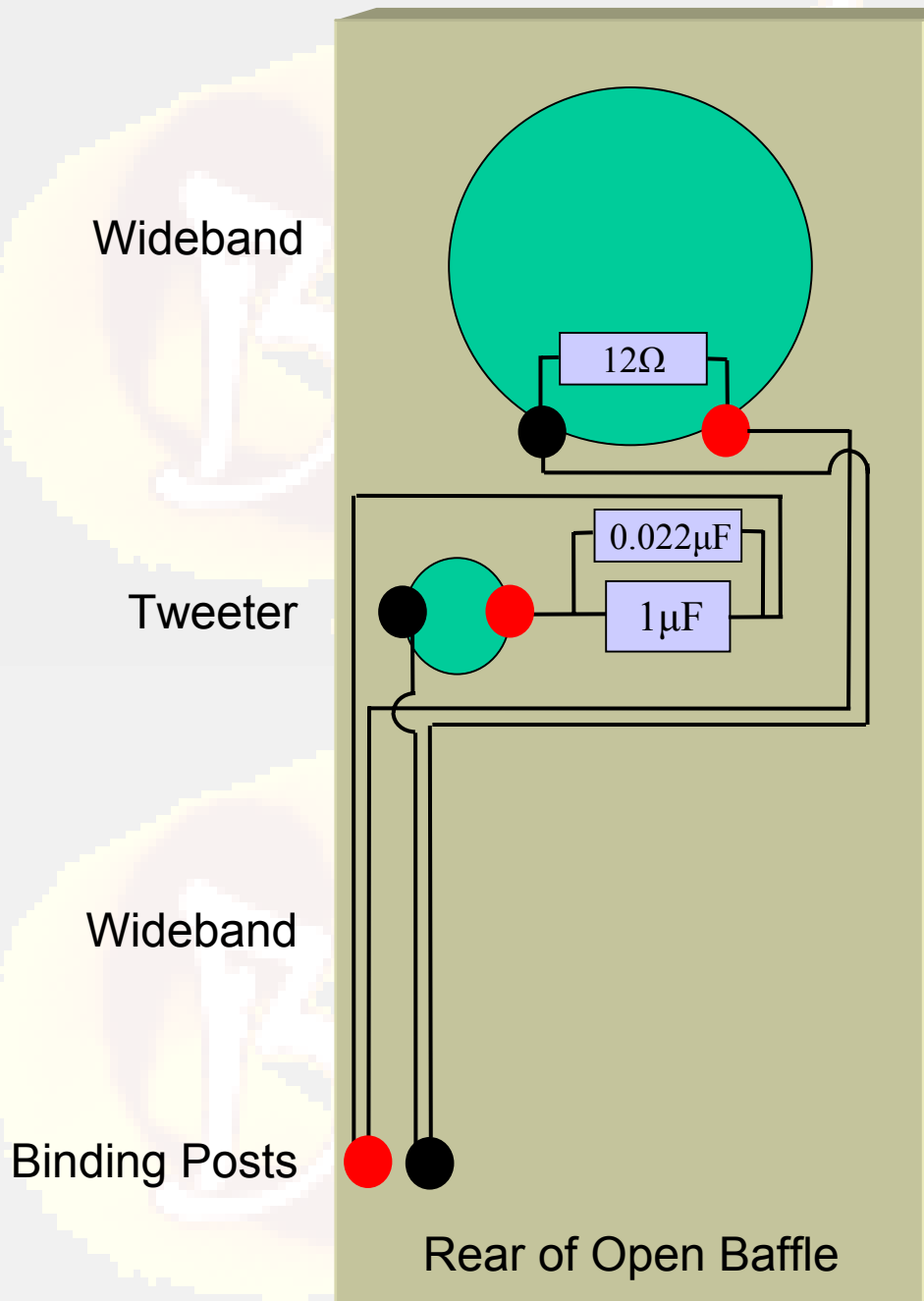


Brace 2 Pieces 330mm x 50mm  
Brackets 4 pieces 250mm x 150mm

## Open Baffle Brackets



# Prometheus Wiring Layout



# Mandala Bass - Options

You have choices of 3 bass units, 2 of these are sealed cabinet types, the remaining 1 is a dipole unit. For small rooms the 12 inch unit will provide excellent bass combined with a small footprint. The 15 inch unit possesses a larger footprint, will drive larger rooms and reach deeper bass regions. The dipole bass unit offers the ultimate bass detail, bear in mind placement can be more critical than is the case with the sealed units.

The dimensions given in these instructions for the sealed units assume the use of Monacor SAM2 bass amplifiers or similar. These amplifiers offer the ability to boost low bass thus allowing the use of smaller cabinets than would otherwise be the case. Should you wish to build versions of the sealed bass cabinets that need little low bass adjustment via the amplifier controls, you can choose to add 100mm to the depth of the cabinets.



# **Mandala Bass Cabinet for 12-inch driver**

Note: fix binding posts to the rear.

# 12" Bass Cabinet

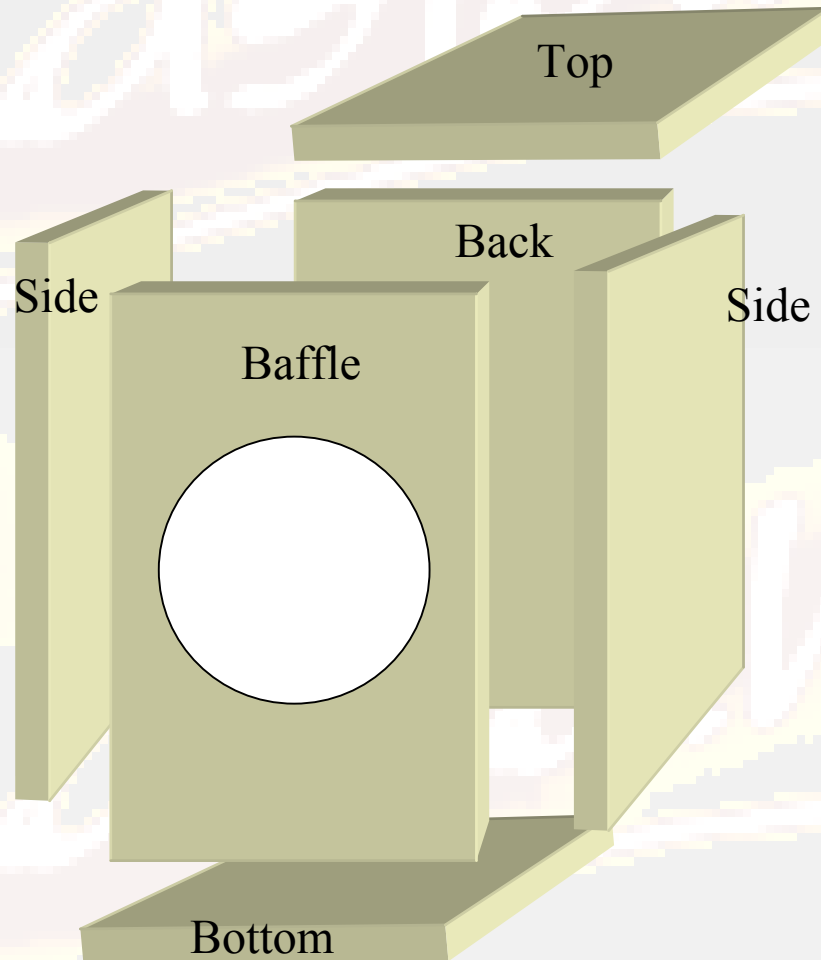
Baffle & back panels 4 pieces 510mm x 410mm

Sides 4 pieces 510mm x 260mm

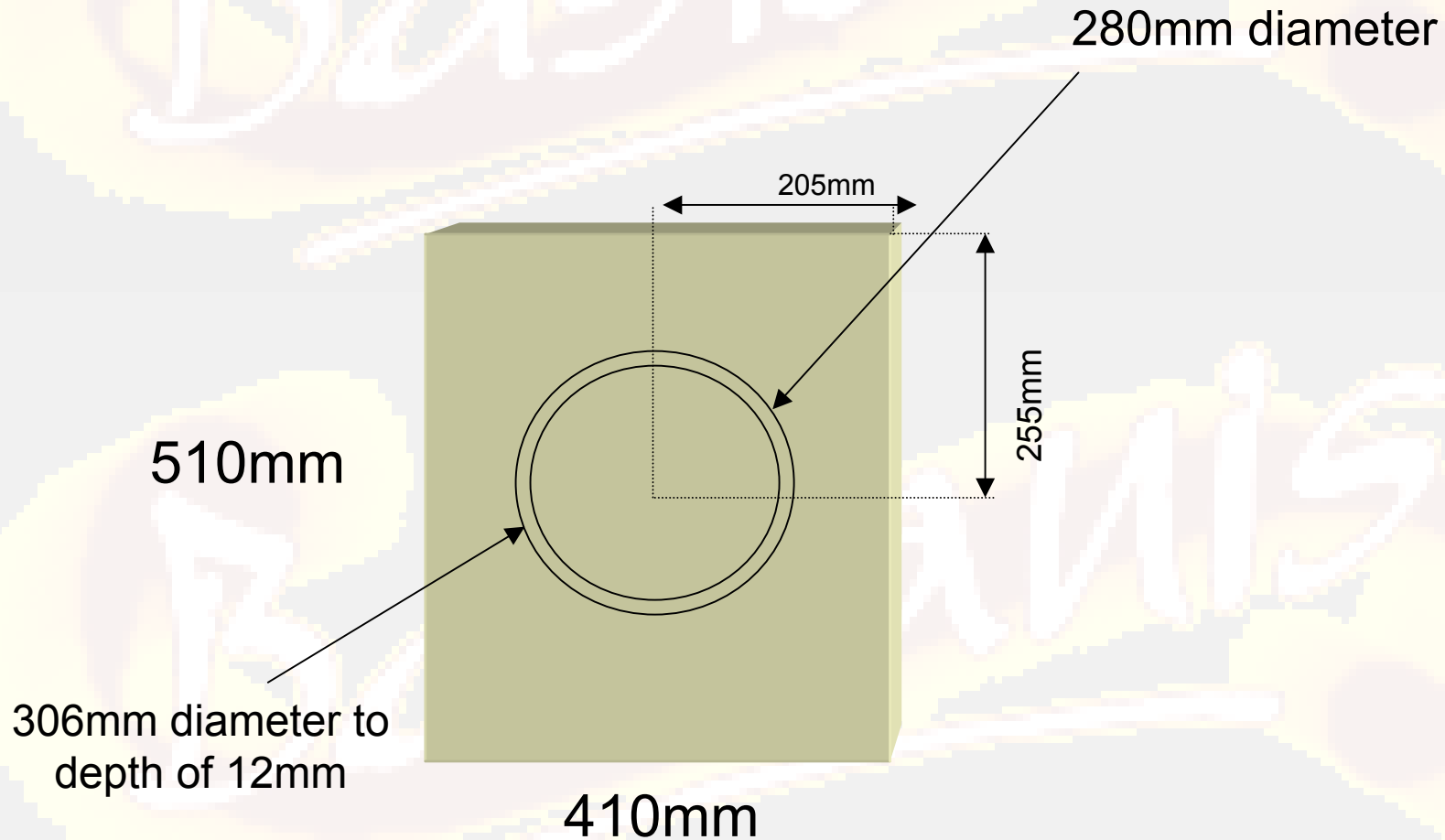
Top & Bottom 4 pieces 360mm x 260mm

Overall dimensions

510mm(H) x 410mm(W) x 310mm(D)



## 12" Bass Cabinet Baffle Cutout







# **Mandala Bass Cabinet for 15-inch driver**

Note: fix binding posts to the rear.

# 15" Bass Cabinet

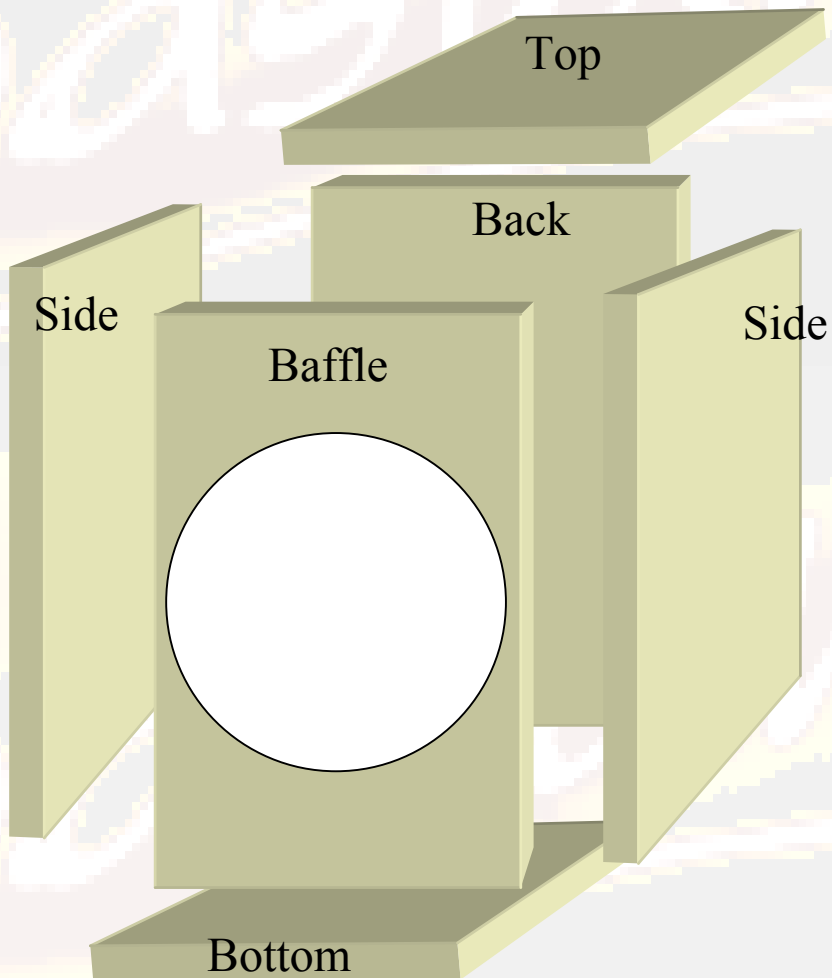
Baffle & back panels 4 pieces 510mm x 410mm

Sides 4 pieces 510mm x 360mm

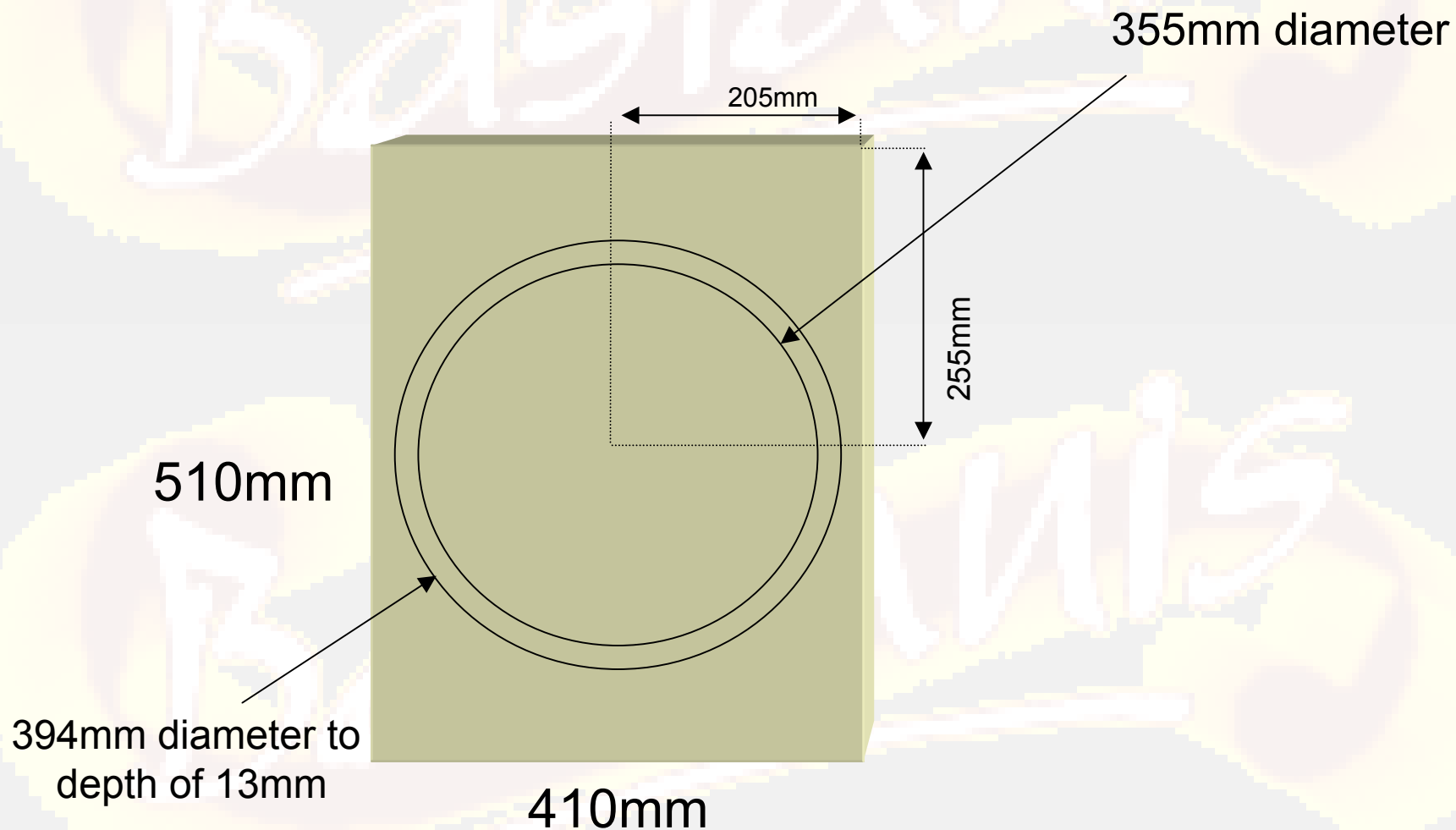
Top & Bottom 4 pieces 360mm x 360mm

Overall dimensions

510mm(H) x 410mm(W) x 410mm(D)



## 15" Bass Cabinet Baffle Cutout



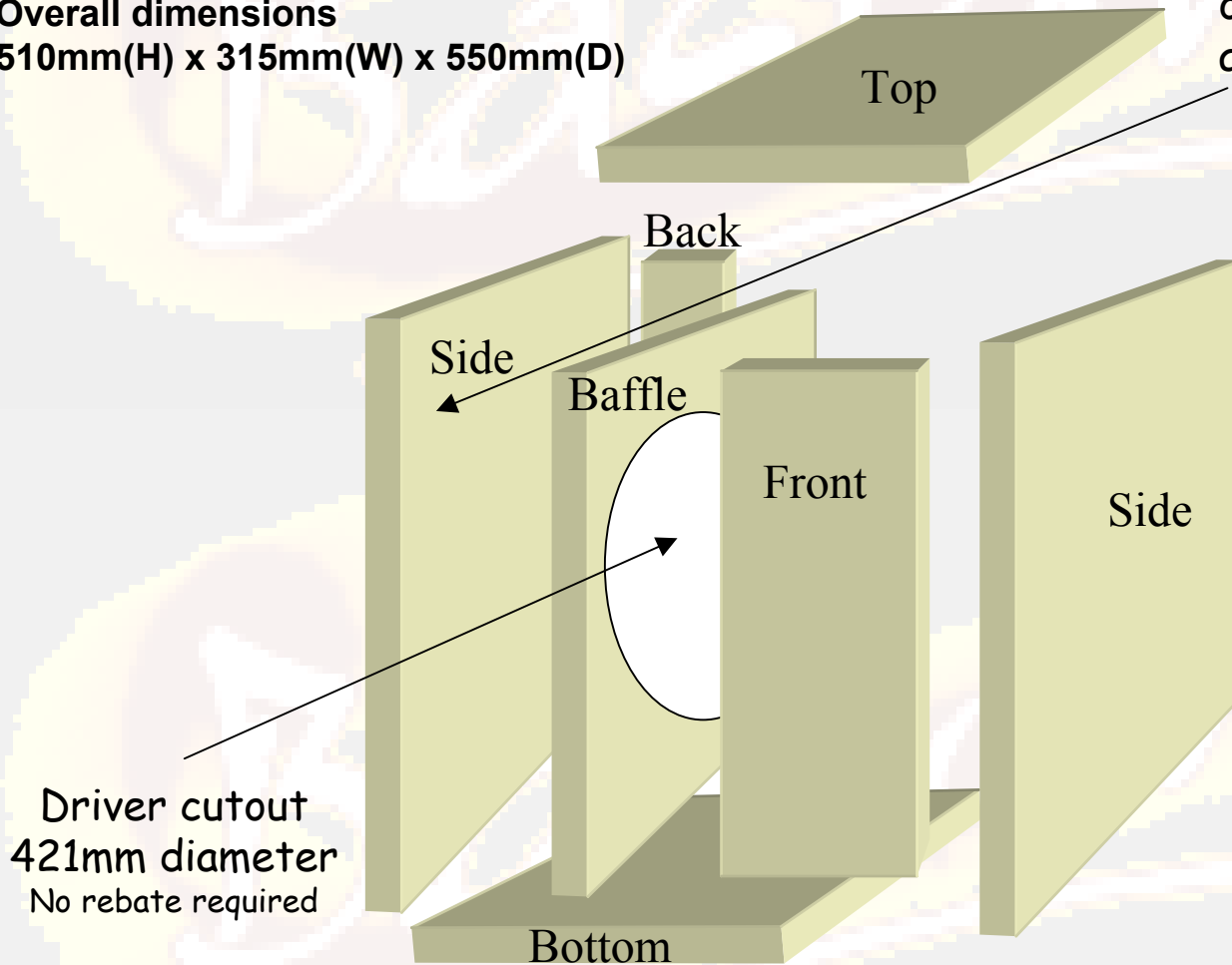


**Mandala Bass Cabinet  
for  
18-inch driver**

# 18" Bass Cabinet

Baffles 2 pieces 550mm x 460mm  
 Sides 4 pieces 550mm x 510mm  
 Top & Bottom 4 pieces 550mm x 265mm  
 Front 2 pieces 170mm x 460mm  
 Back 2 pieces mm 70mmx 460mm

Overall dimensions  
 510mm(H) x 315mm(W) x 550mm(D)



Consider screwing this panel,  
 otherwise there will be no  
 access to the bass driver

Ensure binding posts are positioned to  
 be accessible through the rear vent



Screw 18inch driver from this side so the  
 metal frame is visible through the front vent

**Up to 16 brackets 510mm x 47.5mm**

Screw and glue in place

*Purpose: to support the open baffle and to make the bass cabinet width the same as the open baffle. You can use your imagination to try different methods should you wish to.*

## 18" Bass Cabinet Brackets

