**Recommended Back Loaded Horn Type Enclosure**

- This example shows a ‘back loaded horn’ type enclosure for FE206E.
- FE206E’s magnetic circuit with ø146mm large ferrite magnet provides sharper resonance makes the unit suitable for a back loaded horn type enclosure.
- 21mm thick plywood is used for main section and side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.
• FE206E designed for use in a back loaded horn type enclosure and it is generally unsuitable for bass reflex because of its over damping sound characteristics. However, it is possible to use the FE166E in a bass reflex enclosure as shown.

• This example has sufficient internal volume. However, if you prefer 'tighter' sound reproduction, you can reduce airspace using sand or other fill material.

• Placing thin sound absorbent material as shown enable reduction of peaks & dips around 150 to 400Hz band width. However, it may reduce transient response. You should adjust to taste.

• In order to avoid unwanted mid/high frequency dispersion from the horn, we recommend damping the enclosure with fill and sound absorption material.

• Low frequency response from around 120Hz is gently damped with a controlled peak at 50 - 60Hz.