
Subject: Bracing

Posted by [tube_ee](#) on Wed, 06 Oct 2004 05:07:34 GMT

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I've got enough room in my cutting plan for one more piece the size of the top and bottom panels, so there's one "window" brace. If I go with the one brace every 18" that you've recommended elsewhere, I get one brace, about halfway between the woofer and the bottom of the speaker. If I use one 15"x13" brace with 4"x3" cutouts, and run 1/2" x 1/2" vertical strips up each corner, with 2 horizontal strips per panel, I get a volume about 5 ft³ less than what I calculate for an unbraced cabinet built with 5/8" stock. What effect will this difference have on the woofer alignment? Would this be sufficient bracing to compensate for the thinner walls? For additional vibration-killing, what about gluing some asphalt roofing tiles to the insides of the panels? It shouldn't affect the volume much. Or you could use a marble plinth and thinner marble top, "sandwiching" the speaker between them, or...The mind runs amok. Tanks for all the help,--Shannon
