Subject: Re: Pinging Griffin (again)
Posted by Marlboro on Thu, 24 May 2007 16:46:41 GMT
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I'm not sure what you mean either. I used a group of domes. The only domes that fit into my design were the 3/4 inch Dayton NeoND20A's which have flanges. The flanges can be cut off so that you are right against the edge of the connection of the dome fabric to the tweeter itself. If you use the formula 13560/.92=14739; this would be the start of comb filter distortion if you managed to cut the flanges so the you had about a .92 center to center distance. Remember that you usually cannot hear combing unless you are moving up an down vertically, and that 14,700 is a frequency range that humans can hear but not terribly well, especially they cannot hear differences very well.Now, I'm not exactly sure what you are talking about. To hear treble in my system my ears need to be within the range of the height of the 30 inch line of tweeters. And to be in the near field(to match being in the nearfield of the midrange line) you have to be a little more than 3 times the distance of the height of the tweeter line, which for me is about 9 feet(which is where I listen). So I'm not really sure what compromise you are talking about. Pete Shumacher produced some modeled data on the PE forum about lengths of lines, but despite his tech speak about those things, I cannot verify his statements with my own personal hearing. And neither can anyone else who has listened to my array.Could you be more specific?Marlboro