Subject: Re: horns
Posted by GraemeG on Sun, 16 May 2004 02:32:50 GMT
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I want to push the Alphas as high as I can get them (around 3.5kHz) as I prefer compression drivers and crossover points out of main vocal area. To achieve this will require complex phase plugs akin to what you would see inside a typical JBL compression driver (concentric slots). Starting with a design using two concentric slots. Alpha dust cap arrangement doesn't make this much easier.For the sub, I was originally planning something along the lines of the LabSub. However, as these will be for pro use, I decided I am getting to old to continually lug that sort of weight around. Therefore I will be using single driver cabinets in multiples. Compared to the Labsub, these will be a bit taller (which gives better height for top boxes), about 60% the width, and not as deep (easier to fit in some venues). In that I can get longer horn path and larger than half LabSub mouth - should work well. Folding is along the LabSub lines, however longer path means more spiral overlap - looks like cross between LabSub and spiral horn. Autocad makes designing this much easier.CheersGraeme