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Subject: Re: New low distortion Peerless XXLS 10" and 12" Subwoofers w/shorting ring

Posted by [Wayne Parham](#) on Tue, 16 Nov 2004 09:55:47 GMT

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Hi Adrian, Torben Sondergaard said he would forward the request to engineering. There seems to be a lot of interest in this kind of driver right now, so maybe we'll see a handful of manufacturers making them in the next year or so. I've changed my focus to a push-pull horn design, so I'm not as interested in the shorting ring woofer anymore. I mean, I always liked the sound better, so I'd love to see them made. But the push-pull arrangement does the same thing. You have to have two drivers, so for a small speaker, the shorting ring is still very attractive. But for a horn with two woofers, I'm looking at a few other things right now. An improved woofer can be used in a push-pull design, but the beauty is that it cancels harmonics so it actually matters less how symmetrical the driver movement is. I think it may prove to cancel harmonics at lower frequencies too. I'm just now starting to get things ready for testing. So we'll see. Wayne

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