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Subject: more questions! :-)

Posted by [Jerry Parker](#) on Mon, 10 Jun 2002 03:11:56 GMT

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Hey Wayne, Ive got some more questions for you. First of all, what exactly is the difference between linear and progressive spiders? From what I understand, linear spiders have the same restoring force no matter what the excursion, while progressive spiders have more restoring force as the excursion of the driver increases. So basically, a speaker in a ported box would not be a good idea to use with a linear spider, because too much power under the tuning frequency and you would get mechanical damage as a result of the voicecoil smacking the backplate, right?Also, What exactly is the difference between overhung and underhung motor topologies? I know that an overhung desing has its voice coil windings longer than the magnetic gap, otherwise their would be 0mm xmax. But how exactly does an underhung design work? From what I heard the magnetic gap is very long and the voice coil windings are shorter than the magnetic gap. What are the advantages and disadvantages to each design?Thanks!

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