Subject: Motors
Posted by Adrian Mack on Sat, 05 Jul 2003 00:09:08 GMT
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Hi everyone,I have a quick question on "Q". Qms, which is a measure of energy stored in the suspension will tell you the suspension damping. High Qms means low damping, and low Qms motors have better damping (so better cone control). It also seems that these high qms motors have rather poor magnets which cannot effectivly control them. And also a High QMS generally means a higher Qts (higher Qts meaning poor motor control). But then there are some woofers with high Qms, and also low Qts (probably because Qes is lowered by low Re). Since low Qts is regarded as having better motor control/stronger motors, this would mean cone control is better. So lets say we have a motor with Qms=15 and Qts=0.25 - would this have good, or poor cone control? The Low Qts would dictate better control, but the High Qms dictates poorer control, so I'm lost! I'm thinking motor strength is still low so poor cone control, this is because Qts is only low because Qes is. But this would mean defining low Qts as good motor control and high Qts as having poor motor control is not always the case.... hmmmm. BTW: Cone weight and motor strength are relevant to Qms; Which physical parameters are relevant to Qes?I have actually searched this forum for the answer, but cant find it as yet. Thanks!Adrian