

Re: Help calculating a different electromagnetic coil please...

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- *From:* John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Thu, 02 Feb 2006 15:53:36 -0600
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On Thu, 02 Feb 2006 20:10:52 GMT, Rich Grise <richgrise@xxxxxxxx> wrote:

On Thu, 02 Feb 2006 10:49:43 -0800, WildIrish wrote:

....

I know the following: Current flow through the coil, number of wraps, size of wire, area of the bobbin it's wound on, length of finished coil.

WHAT I WANT TO DO: determine the correct wire size and coil wrap count to replicate the same amount of magnetic force as the original coil... hopefully with less wraps and hopefully thicker wire to allow me to handle it by hand, the original was probably machine wound.

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You could simply measure it.

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You must have missed this part:

"I know the following: Current flow through the coil, number of wraps"...

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John Fields  
Professional Circuit Designer