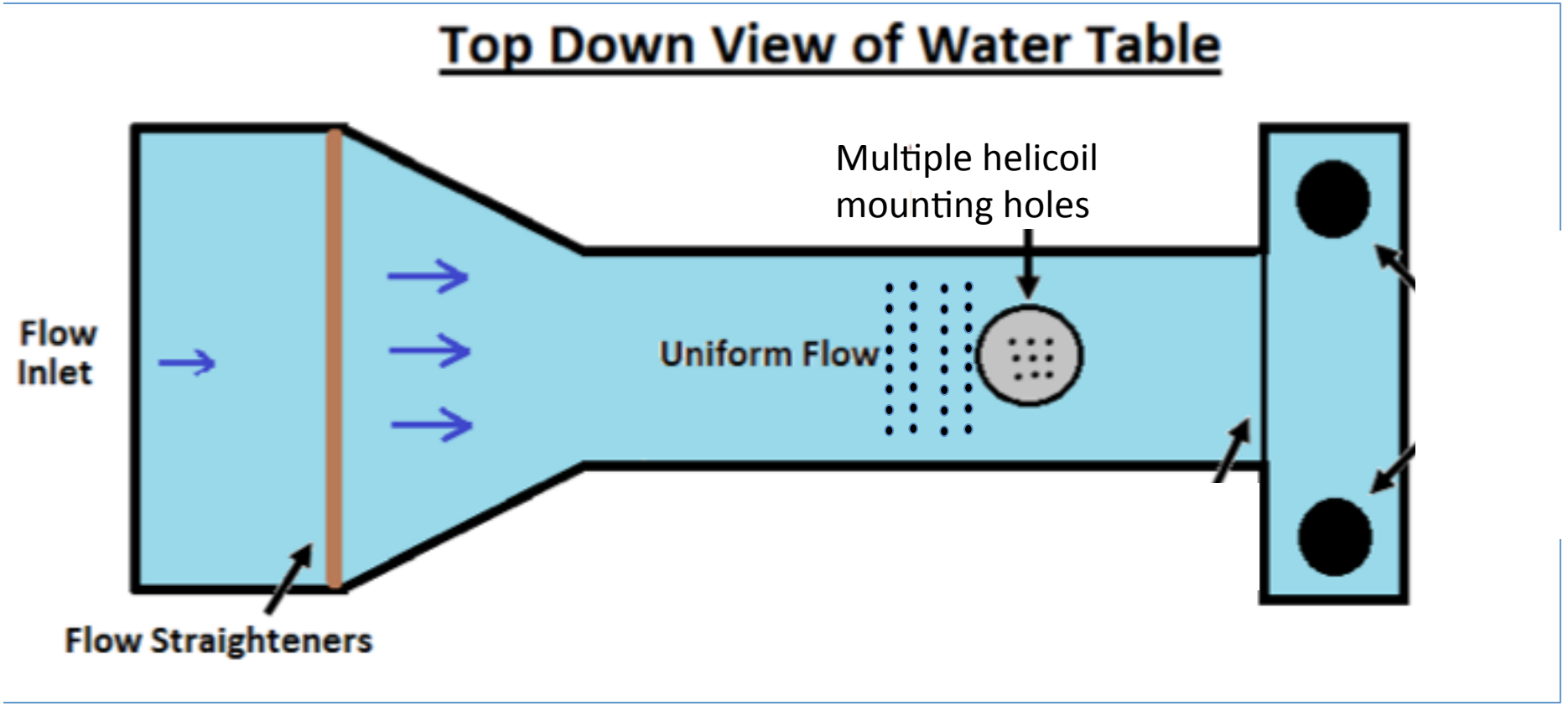
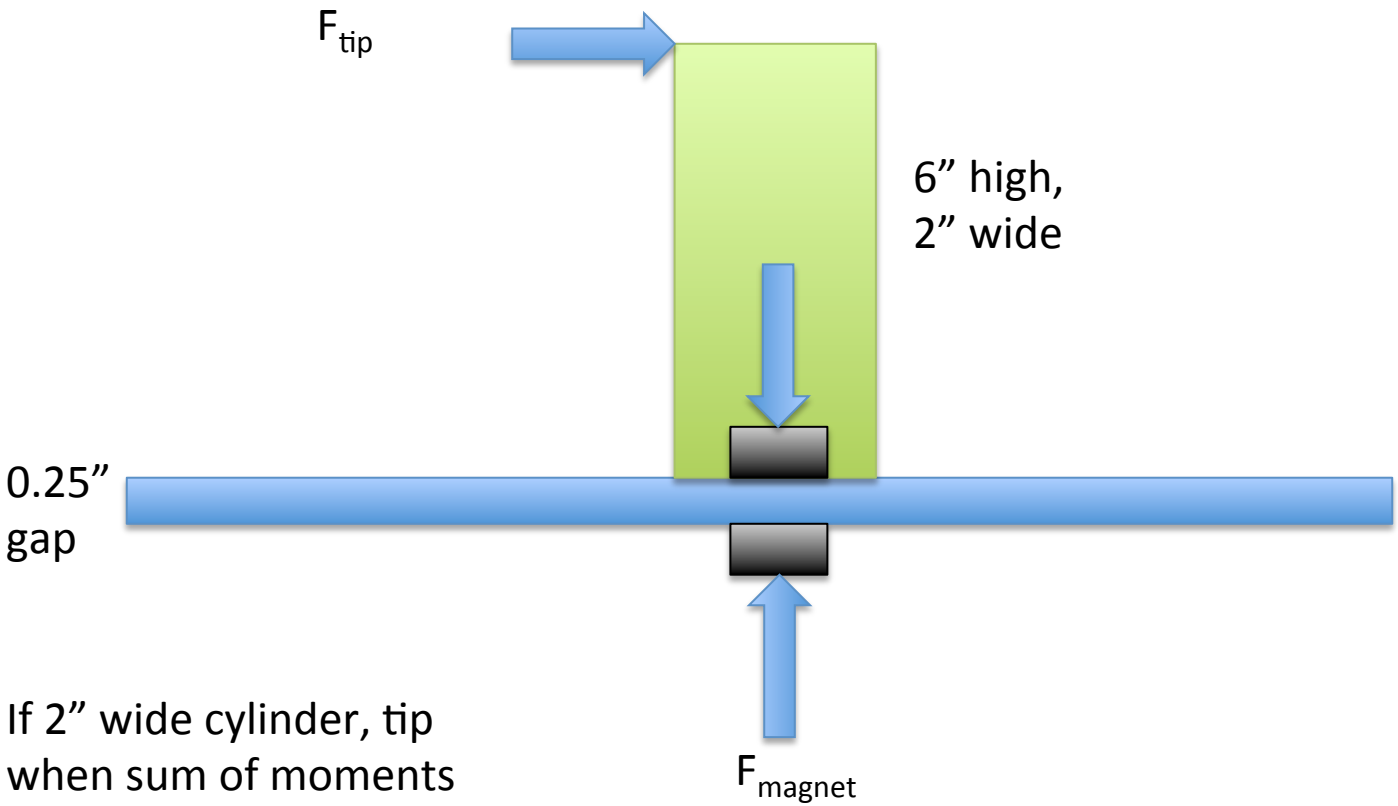
Test Specimen Feasibility- Mounting Holes



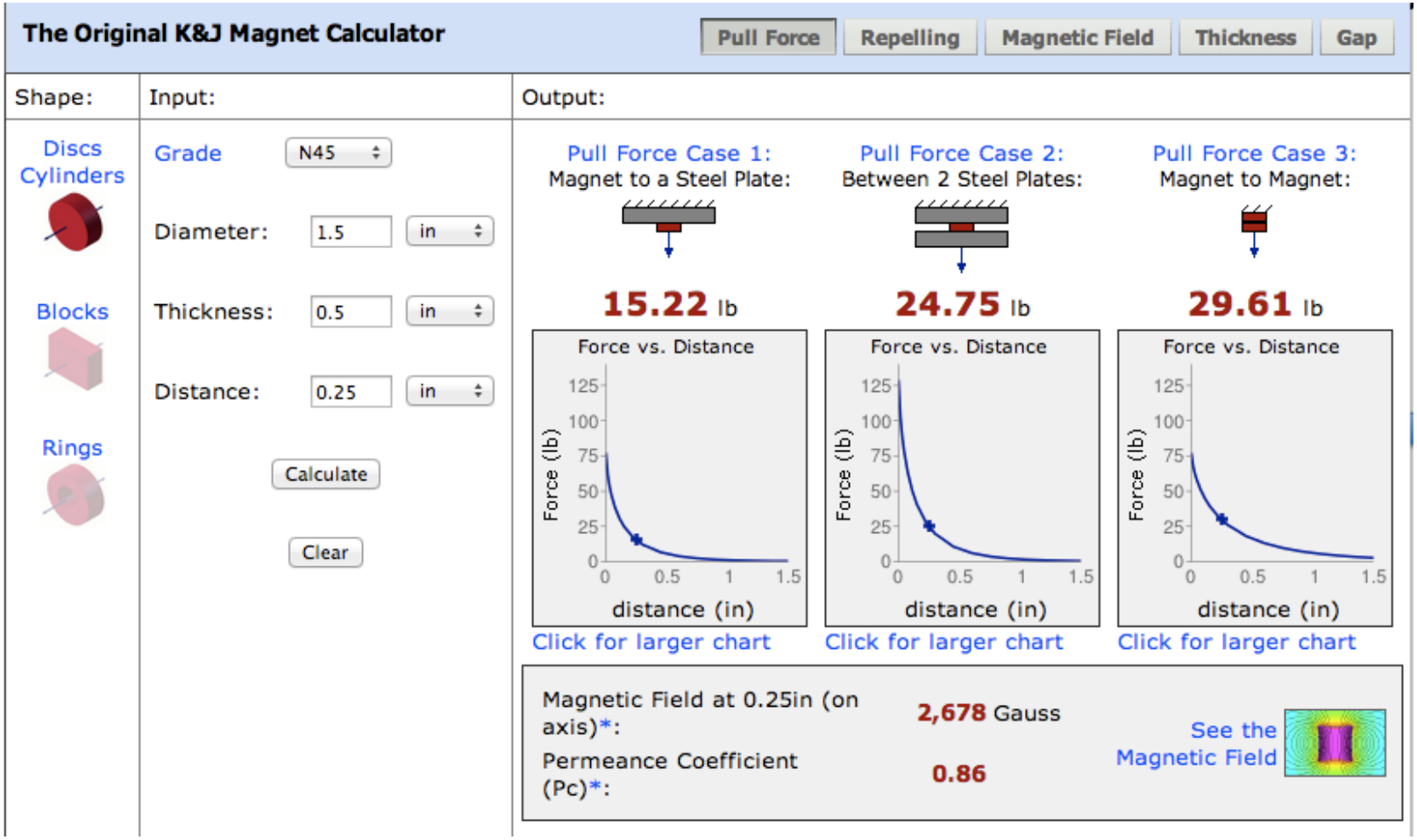
2 Magnets Analysis



If 2” wide cylinder, tip when sum of moments not equal to zero

F_{tip}*6”=F_{magnet}*1”
Let F_{tip}=5lbf
F_{magnet}=30lbf

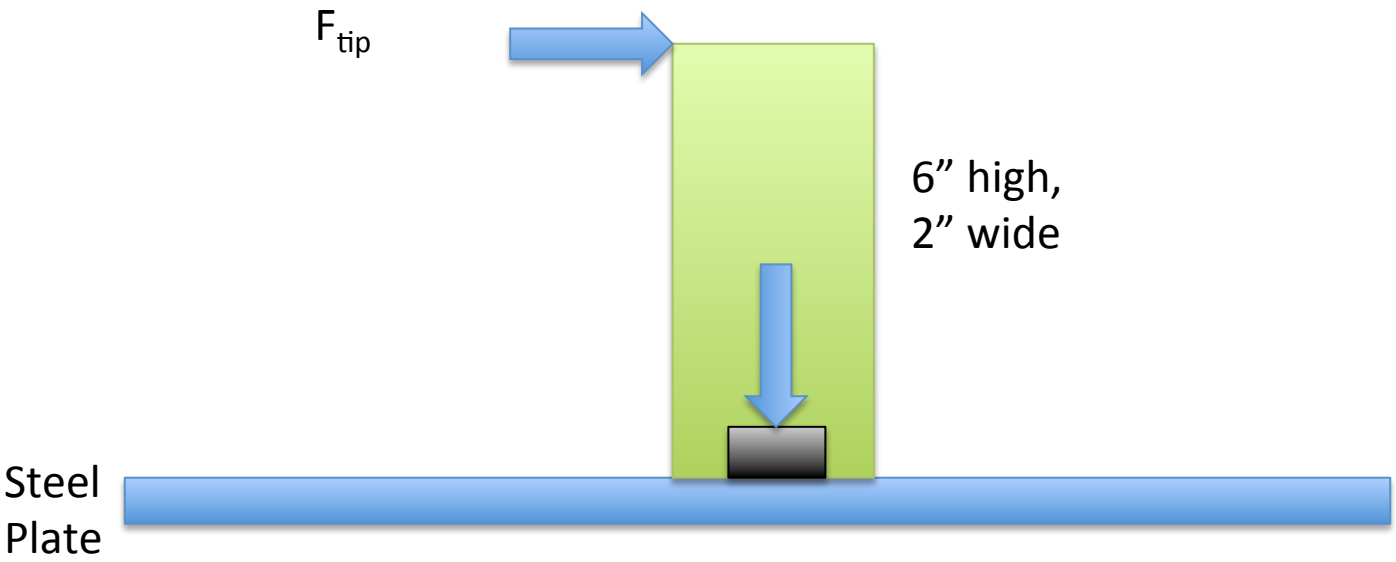
Magnet Analysis- Online Tool



http://www.kjmagnetics.com/calculator.asp

Magnets should work!

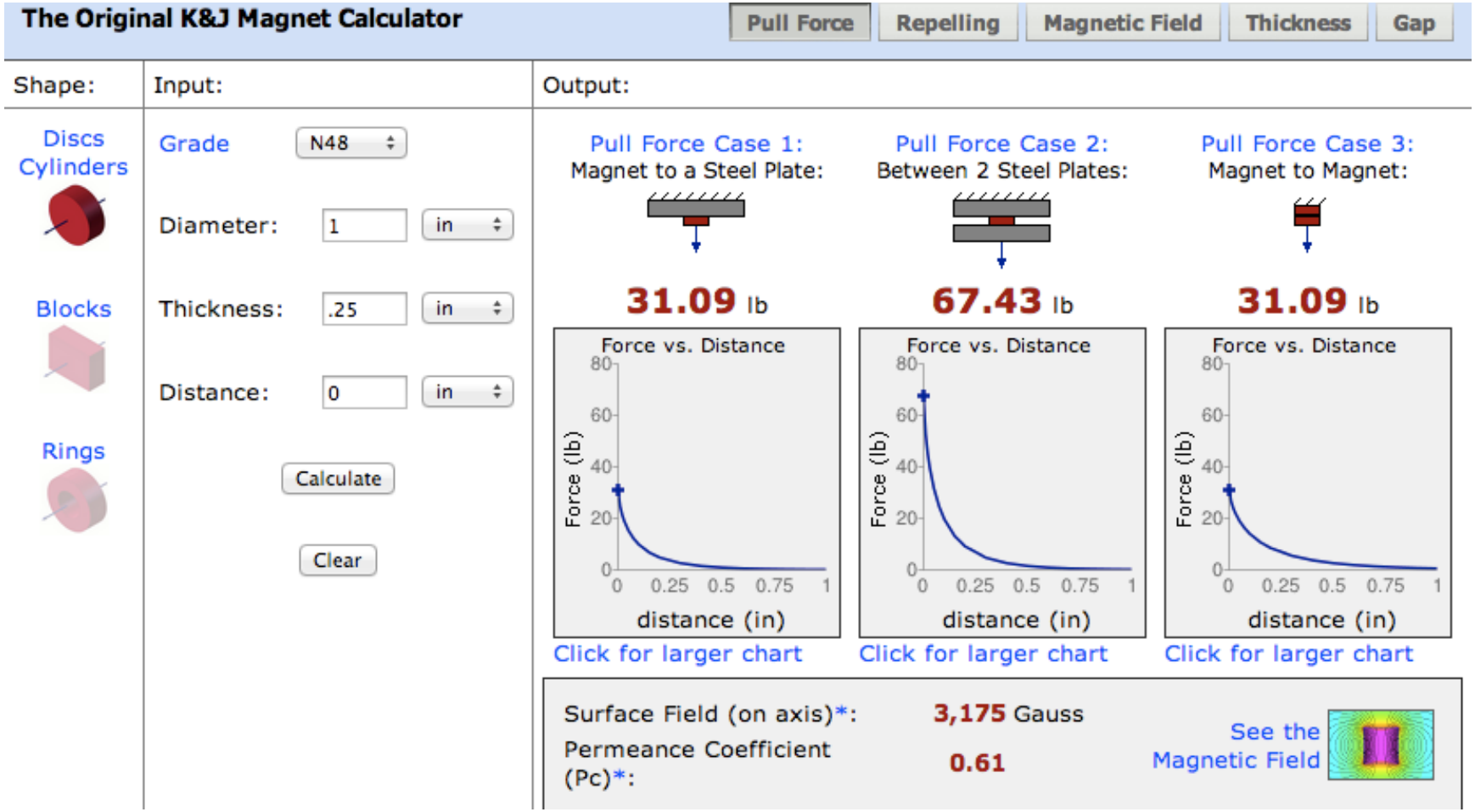
1 Magnet to Steel Analysis



If 2” wide cylinder, tip when sum of moments not equal to zero

F_{tip}*6”=F_{magnet}*1”
Let F_{tip}=5lbf
F_{magnet}=30lbf

Magnet Analysis- Online Tool



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Magnets should work!