

# ANSYS AIM - 3D Static Force Computation

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## Problem Specification

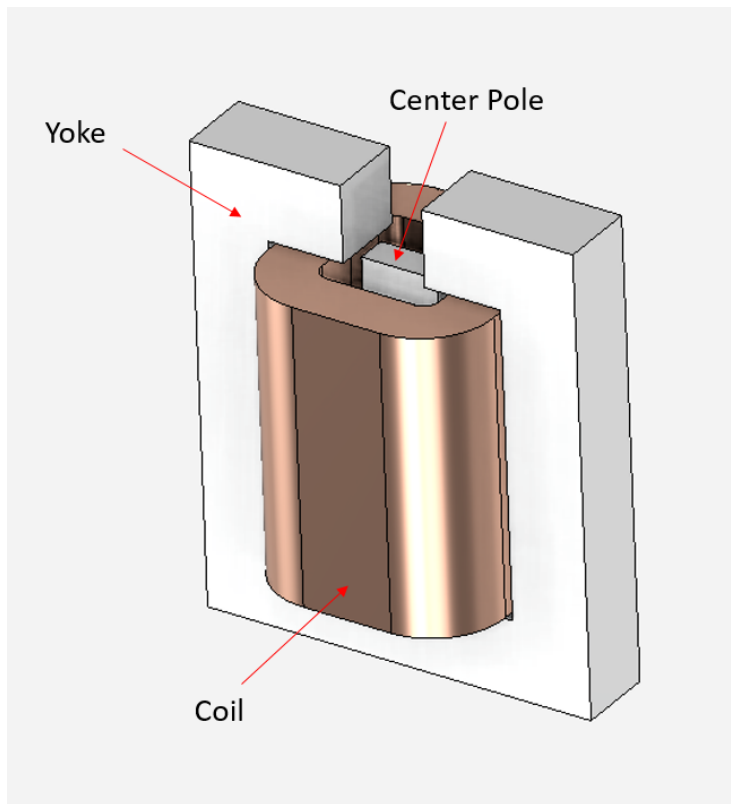
1. Pre-Analysis & Start-Up
2. Geometry
3. Physics Setup
4. Solution/Results

## 3D Static Force Computation

Created using ANSYS AIM 18.2

### Problem Specification

The yoke and center pole shown directly below are made of Steel 1010. The stranded copper coil is excited by a DC current. The coil ampere-turns are 1000, 3000, 4500 and 5000 which is sufficient to saturate the steel. Calculate the magnetic field and electromagnetic force.



[Go to Step 1: Pre-Analysis & Start-Up](#)

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