Specs and help files

- **Eddy Current**
  https://en.wikipedia.org/wiki/Eddy_current

- **Neodymium Magnet Physical Properties**
  https://www.kjmagnetics.com/specs.asp

- **Magnetic Field strength**
  http://www.kjmagnetics.com/blog.asp?p=surface-fields-101

- **Field Calculator**
  https://www.kjmagnetics.com/fieldcalculator.asp

Weight

- ***SEE Magnets weight below**
- 4g Mag Lifter case
- 46g Quad vehicle

Total Dimensions

- 44mm Height
- 130mm Length

MOTORS

4 dc motors

Controller

- 4 Channel
- 2.4Ghz radio
- Digital 3 axis stabilization
- Range 100 Feet

Battery

- Li-Po Battery
- USB charger

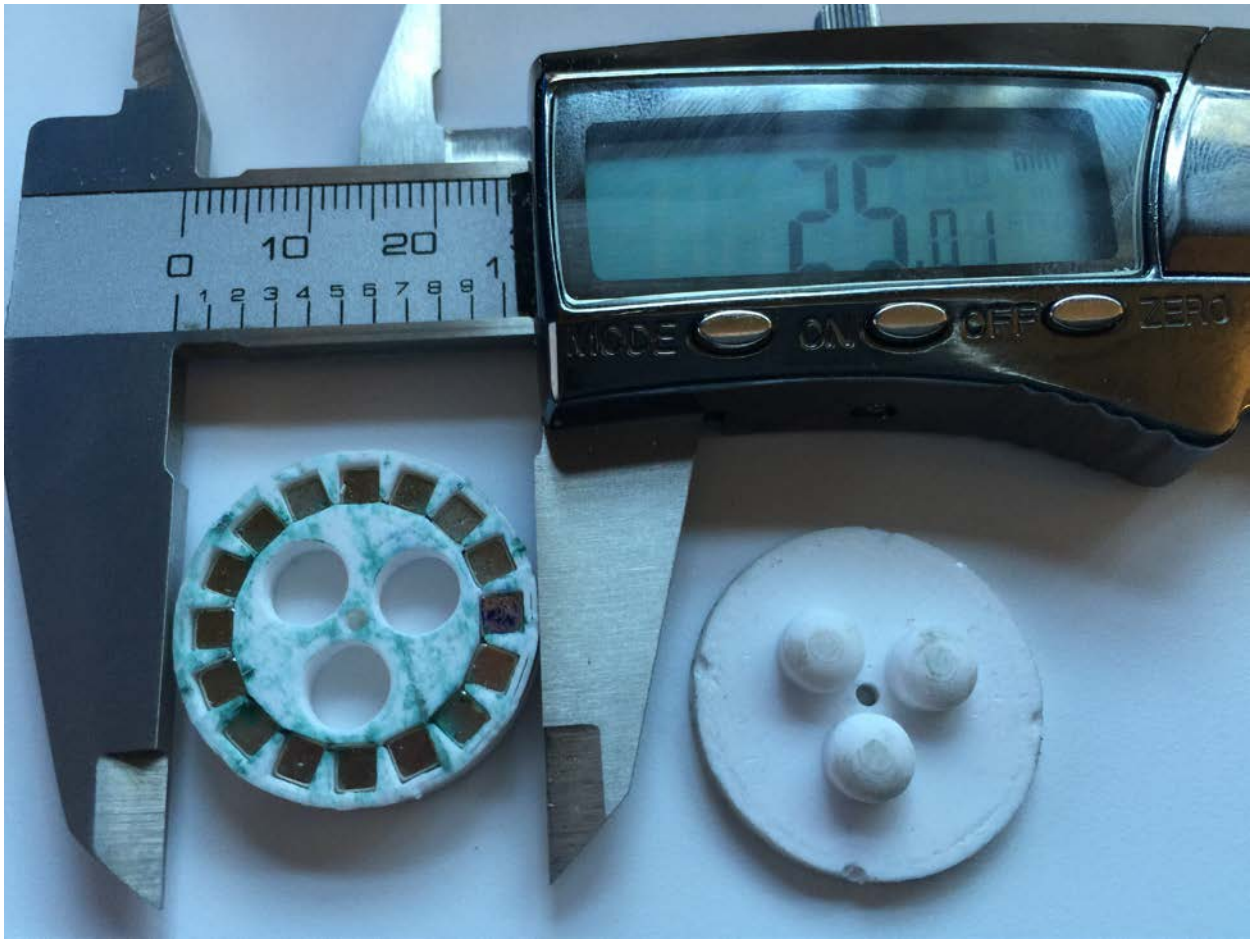
***Magnets**

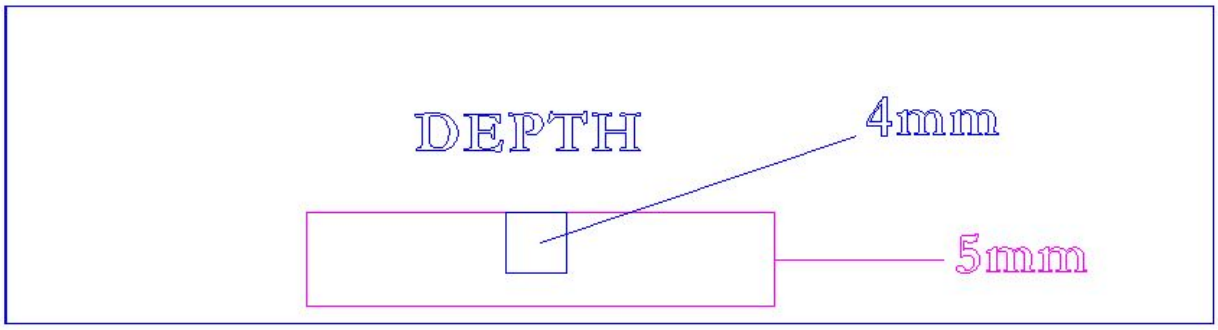
- **1/8 N48** Neodymium Cube **0.5g** - Pull Force **2.1 lbs**.
- **5mm N50** Neodymium Cube **0.7g** - Pull Force **4.5 lbs**.
- **¼ N52** Neodymium Cube **1.0g** - Pull Force **8.9 lbs**.

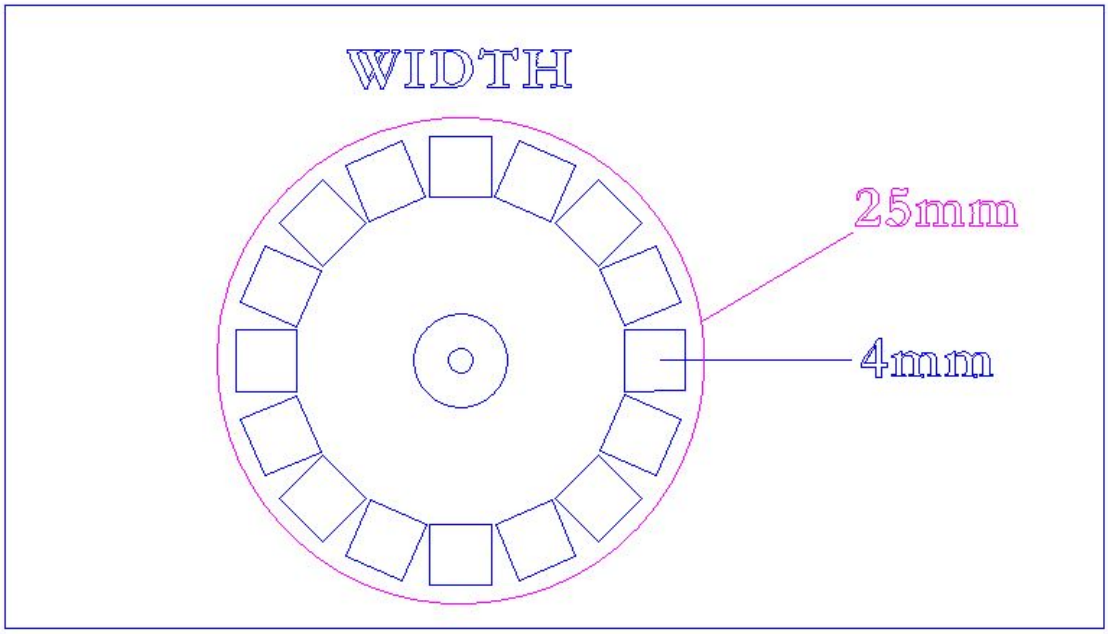
- **½ N42** Sphere Magnets **2.0g** - Pull Force **4.5 lbs**.
- **¼ N42** Sphere Magnets **1.0g** - Pull Force **4.5 lbs**.

To Do Measurement
Optical Tac to measure RPM, a load cell to measure lift, a torque sensor for torque, a volt and ammeter for power.

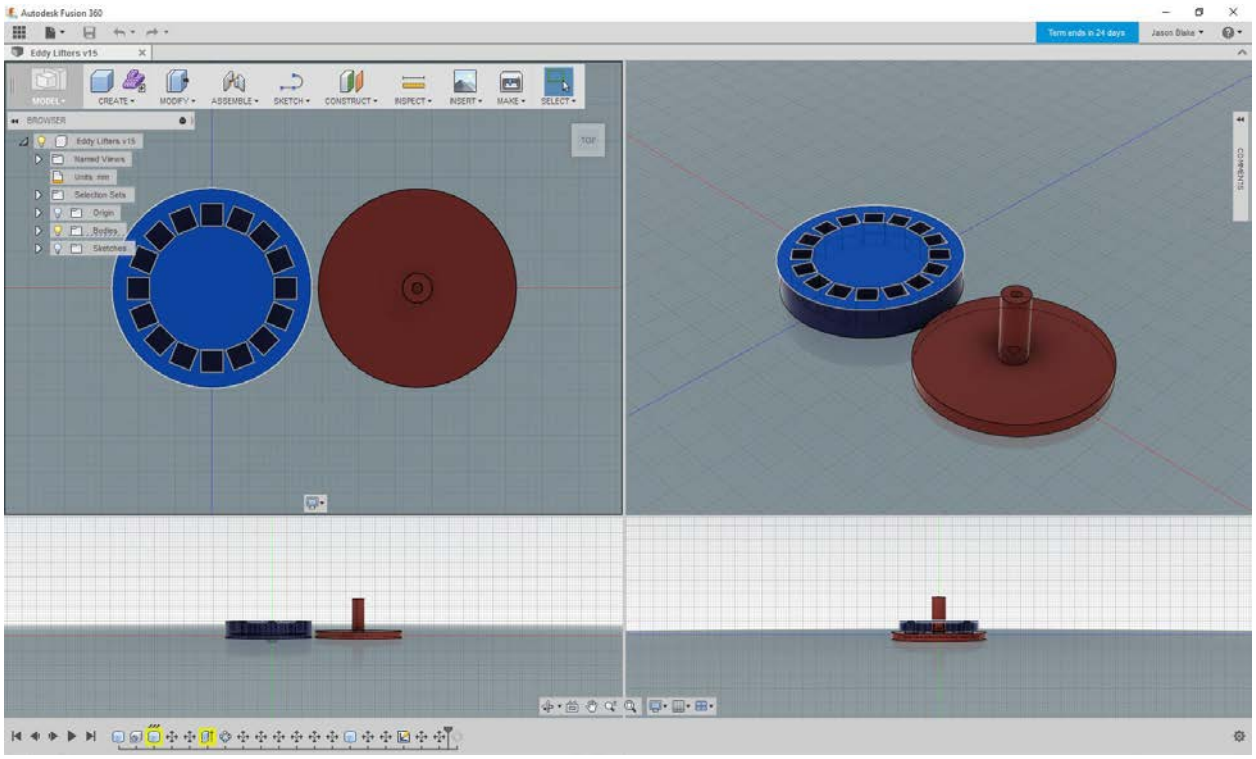

MODE
ON
OFF

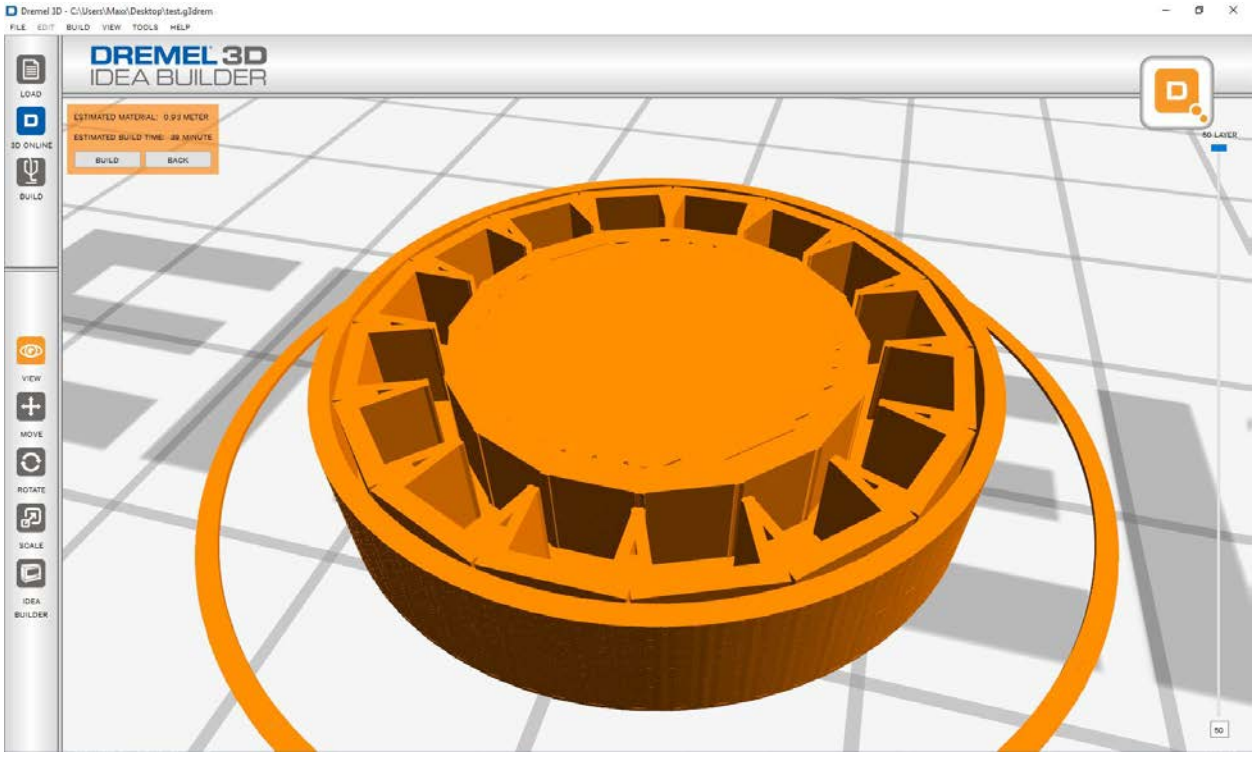

25.01
MODE
ON
OFF
ZERO





Each Magnet 4g
Case 4g
Total: 8g


Autodesk Fusion 360
Eddy Lifters v15
MODEL
CREATE
MODIFY
ASSEMBLE
SKETCH
CONSTRUCT
INSPECT
INSERT
MAKE
SELECT
BROWSER
Eddy Lifters v15
Named Views
Units: mm
Selection Sets
Origin
Bodies
Sketches
TOP


Dremel 3D - C:\Users\Maxx\Desktop\test.g3drem
FILE
EDIT
BUILD
VIEW
TOOLS
HELP
DREMEL 3D
IDEA BUILDER
LOAD
3D ONLINE
BUILD
ESTIMATED MATERIAL: 0.93 METER
ESTIMATED BUILD TIME: 39 MINUTE
BUILD
BACK
VIEW
MOVE
ROTATE
SCALE
IDEA BUILDER
50 LAYER
50