

Submitted Drawing Package

The units on the submitted drawing package are to be in inches.

Your lapel pin design **MUST** be fully dimensioned

The drawing package that you submit to your course instructor must contain:

- A rendered full scale solid model of your lapel pin design
- A drawing showing the top, front, and side views. The top view must be 3rd angle projection. In the upper left hand corner of your drawing, a solid model of the lapel pin must be shown. Each drawing must show at least one cross section view. For clarity, the dimensioned top, front, and side views may be submitted on individual drawing sheets. If the top, front, and side views of your lapel pin design are submitted on separated sheets then one sheet must contain undimensioned top, front and side views with at least one cross section view plus a solid model of the lapel pin in the upper left hand corner of the sheet.
- A rendered full scale solid model of your lapel pin design.
- Each submitted lapel pin design must provide data giving the density of the material specified for your lapel pin design, plus the mass of the lapel pin, its volume, its surface area, and the location of its center of mass.
- Each submitted lapel pin design package must include an essay of at least 100 words explaining how your lapel pin design emphasizes its genesis in mechanical engineering.
- Your submitted lapel pin design package must include a hard copy of the drawings and a CD soft copy of you lapel pin design with the files having the file extensions .dwg, .sld, and .sat.

Grading

Any lapel pin design which includes **imported images** will receive a grade of **zero**.

Any lapel pin design which is not **fully dimensioned** will receive a grade of zero.

Your grade for your lapel pin design will be based on:

- Design originality
- Clarity of design concept
- Form of design expression
- Rendering
- Its properties