

SolidWorks, IET-265

Name: _____

Spring 2011, Week 2 T, Evaluation

Day and date: _____

Block:

- Units in inches, precision to 3 units after decimal, ANSI drafting standard (1 point)
- The part is symmetric about the front plane, sketch using the dimensions shown (3 points), fully define this sketch (the *fixed* sketch relation is not an option), the cut on the left face towards the top is centered horizontally and cut Through All three ribs (1 point)
- On the top horizontal face two Hole Wizard features, ANSI inch, 1/4", Flat Head Screw, Through All, holes are centered in the bays, fully defined hole location. (2 points)
- Apply cosmetic thread to horizontal stem, ANSI inch, Machine thread, 1/2-20, Blind to 5/8".
- Material steel of your choice (1 point)
- Rename your features (1 point)
- Determine the volume of this part, put in your email (1 point)

Wrench

- Material (1 point)
- Completeness, four features (4 points)
- Fully defined (3 points)
- Angled head (2 points)
- Extra credit for extra features and elements (0.5 points each)