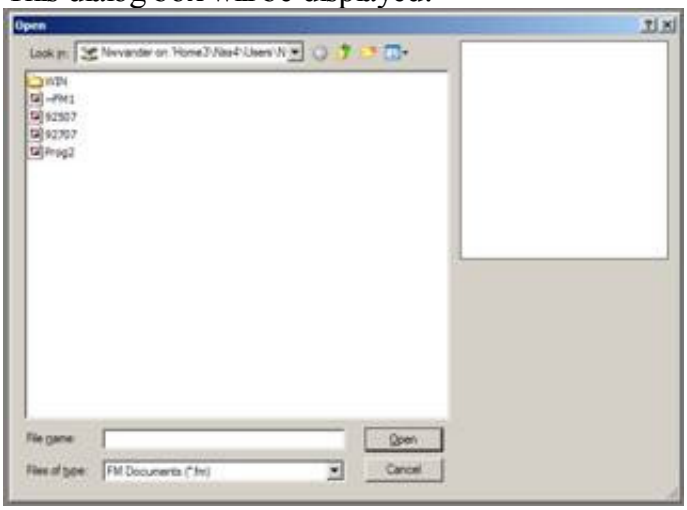
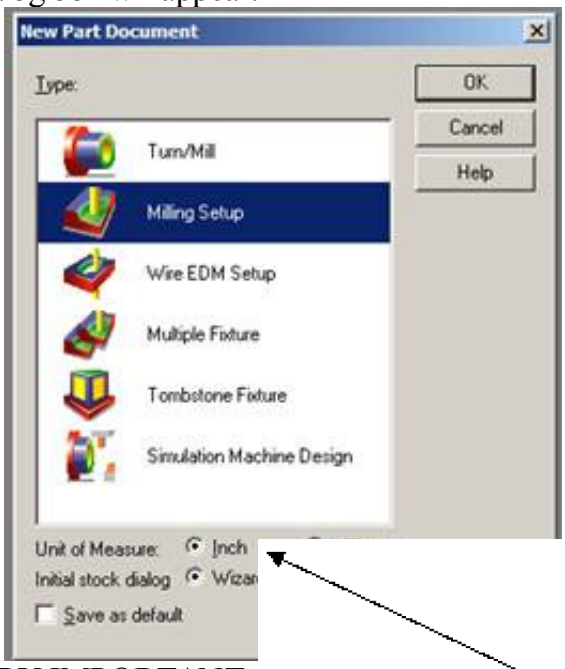
Importing a file into FeatureCAM

I) Importing a AutoCAD drawing (dwg, dxf)
   1) Save your AutoCAD file in 2004 format
      a) Drawing (.dwg) **(recommended)**
      b) DXF (.dxf)
   2) Click Open 
   3) This dialog box will be displayed:

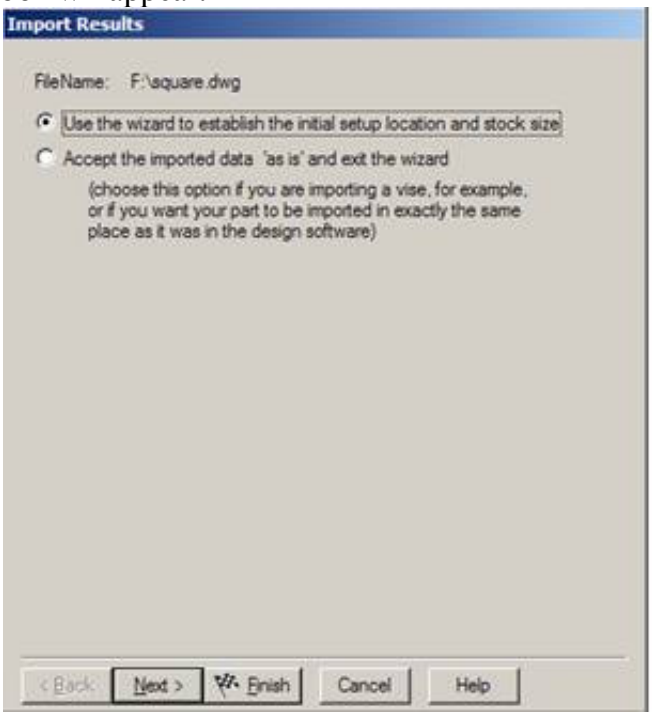


   4) From the drop down "Files of type" list select AutoCAD (*.dxf;*.dwg)
   5) Find your file and open it
   6) This dialog box will appear:



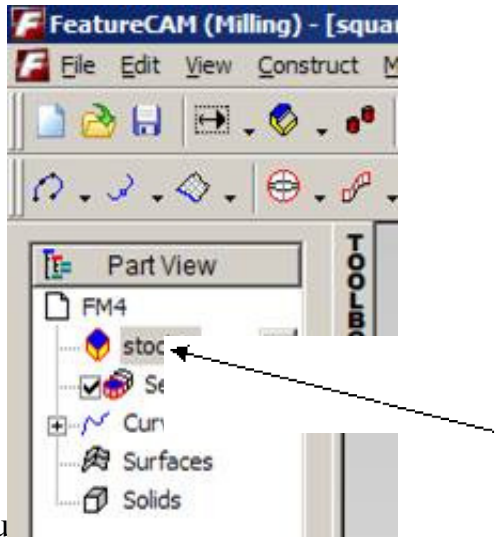
      a) VERY IMPORTANT
         (i) If your drawing is in [illegible] here
   7) Click OK

8) This dialog box will appear:



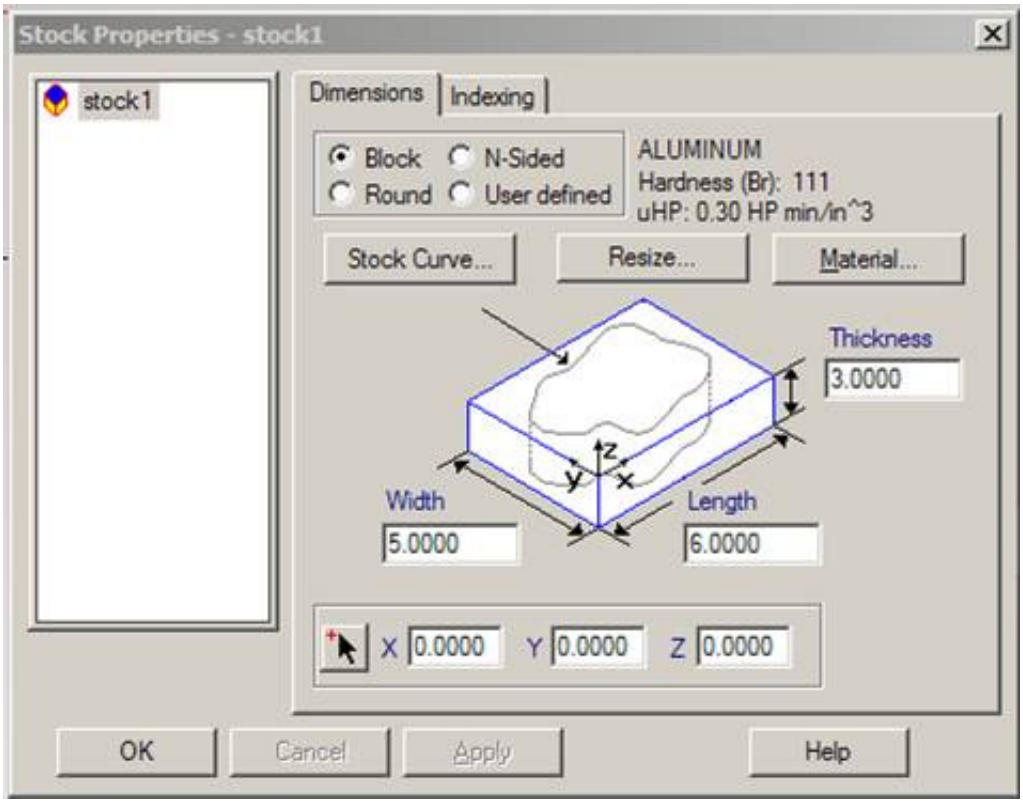
9) AutoCAD drawings always import into FeatureCAM oriented correctly, so select "accept the imported data 'as is' and exit the wizard" from the dialog box

10) Click Finish



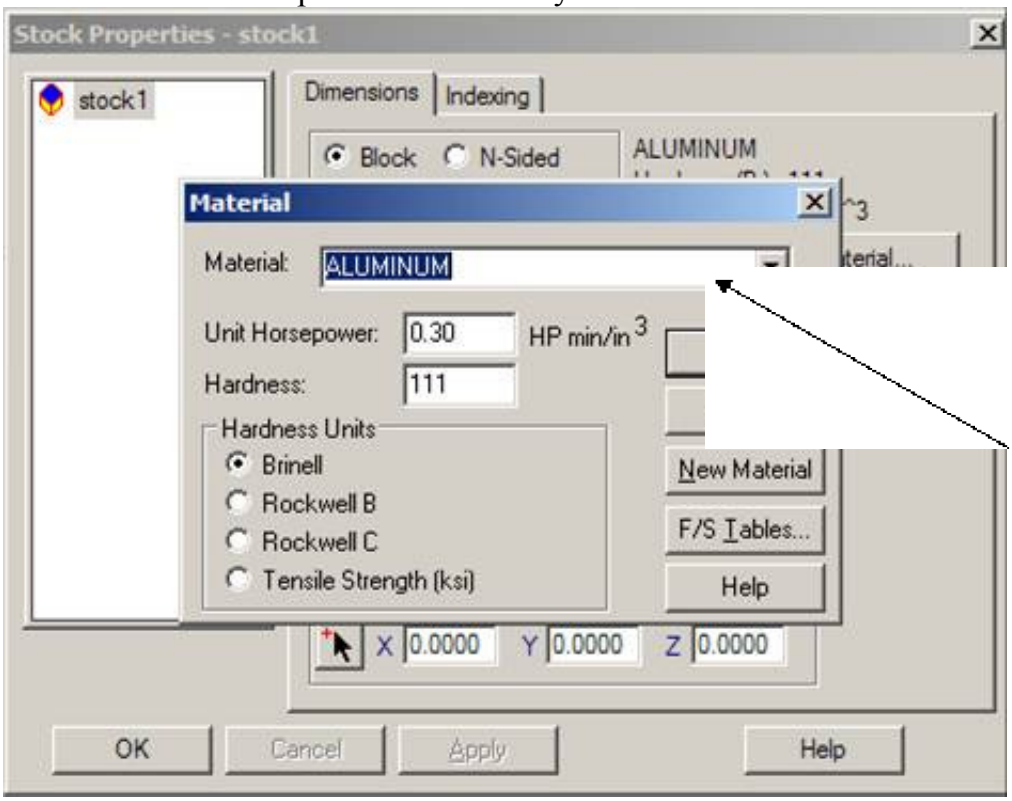
11) Double Click "stock1" from the Part View Menu

12) This dialog box will appear:



13) Click Material

14) From the Material Drop Down List Select your material



15) Click OK twice (2)

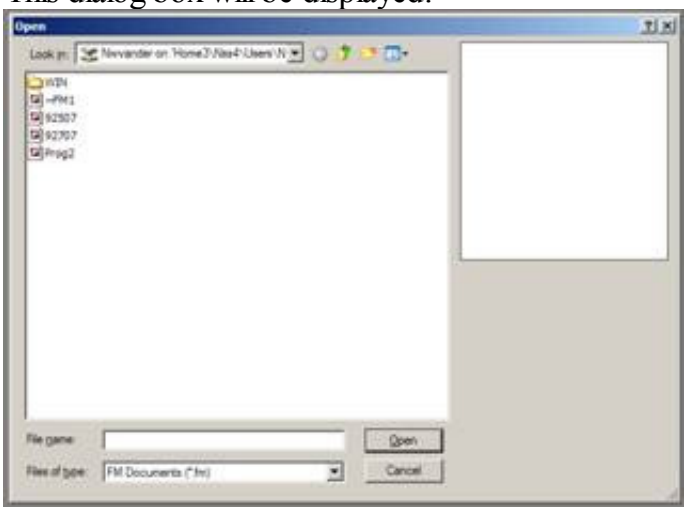
16) File Import Complete!

II) Importing a SolidWorks model or Pro-Engineer model

1) Save as

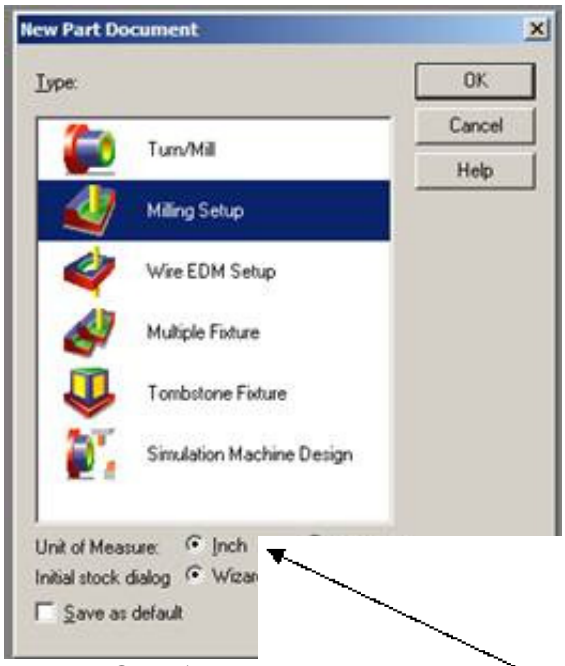
a) SolidWorks
   (i) SolidWorks Part (.sldprt) **(recommended)**
   (ii) SolidWorks Assembly (.sldasm)
   (iii) ParaSolid (.x_t)
   (iv) ParaSolid Binary (.x_b)
   (v) Acis (.sat)
b) Pro-Engineer
   (i) ParaSolid (.x_t)
   (ii) Acis (.sat)

2) Click Open 
3) This dialog box will be displayed:



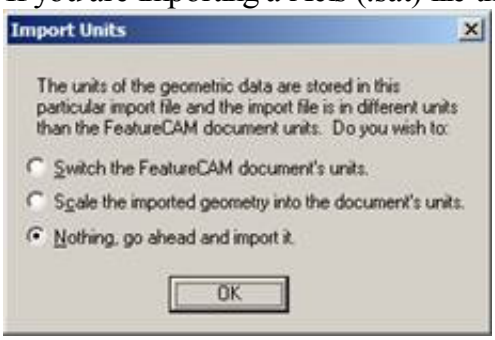
4) From the drop down "Files of type" list select the correct extension name
5) Find your file and open

6) This dialog box will appear:



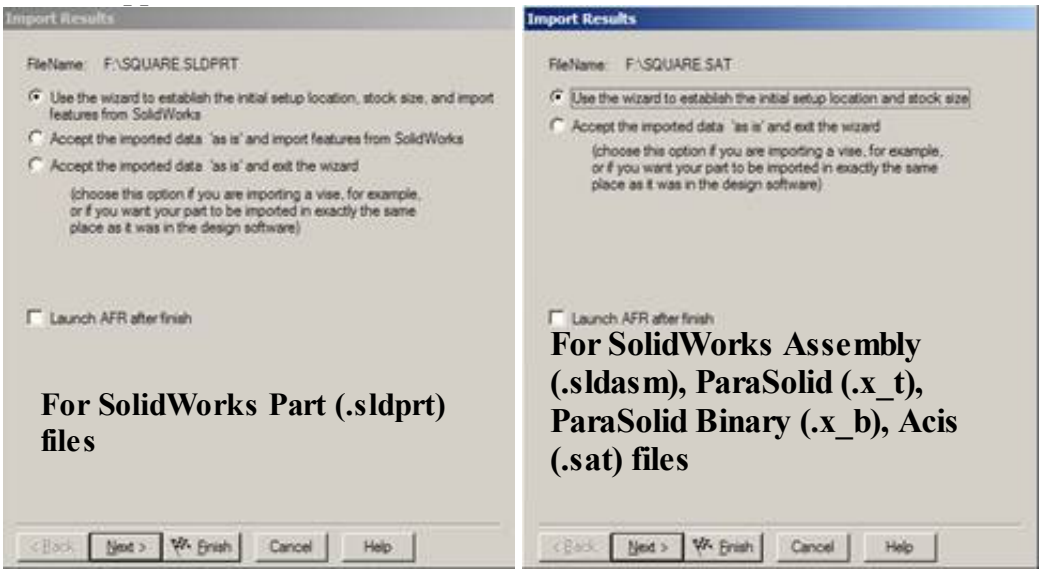
a) VERY IMPORTANT
   (i) If your drawing is in [illegible] here

7) Click OK
8) If you are importing a Acis (.sat) file this dialog box will appear:

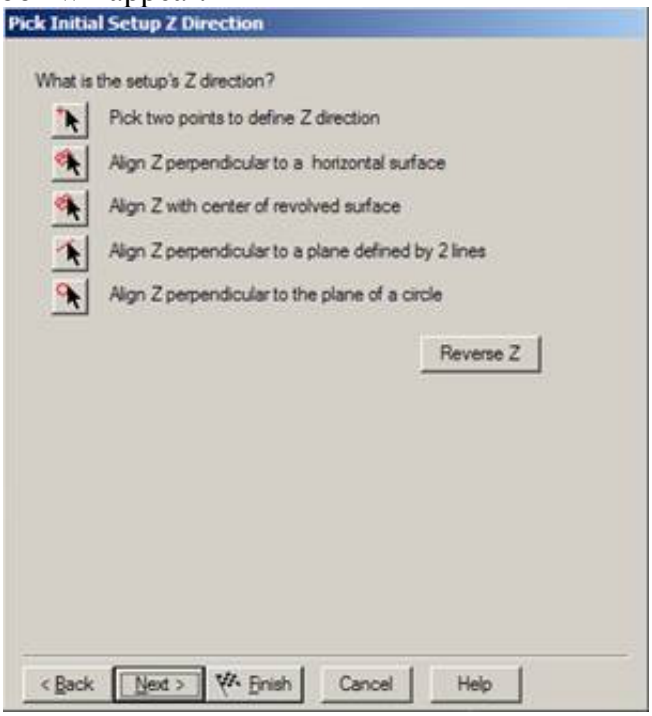


a) Select "Scale the imported geometry…"
b) Click next

9) This dialog box will appear:

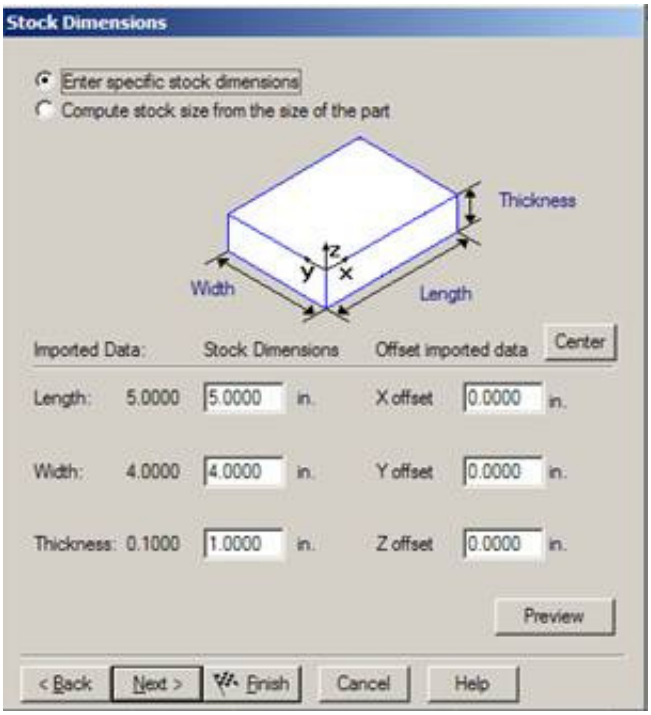


10) SolidWorks models never import in the correct orientation, so select "Use the wizard to establish the initial setup location…"
11) Click Next
12) This dialog box will appear:



13) Z-axis definition
    a) Click  from the top tool bar
    b) Click  "Pick two points to define Z direction" and select the endpoints of a vertical line (z direction)
    c) If the z-axis arrow is pointing the wrong way, click 

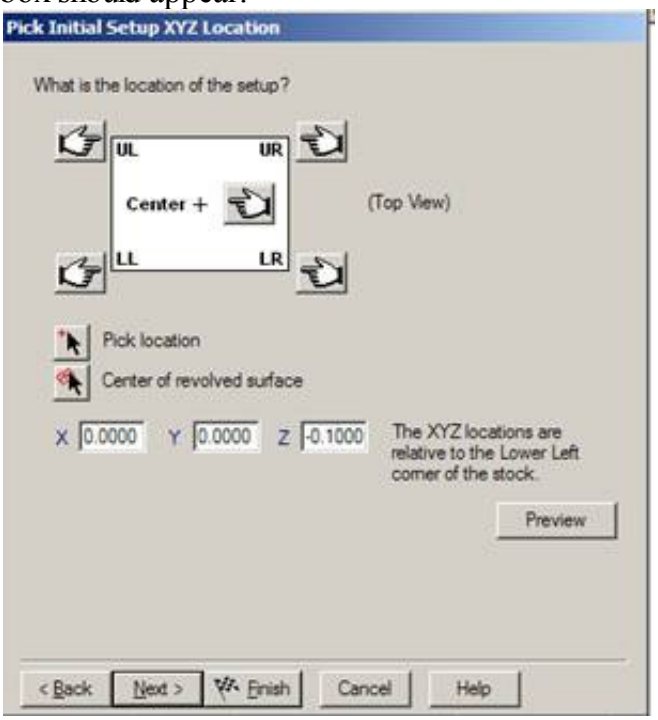
14) Click next three (3) times
15) This dialog box should now be present:



a) Set all stock dimensions equal to imported data, and all offsets equal to zero (0)

16) Click next

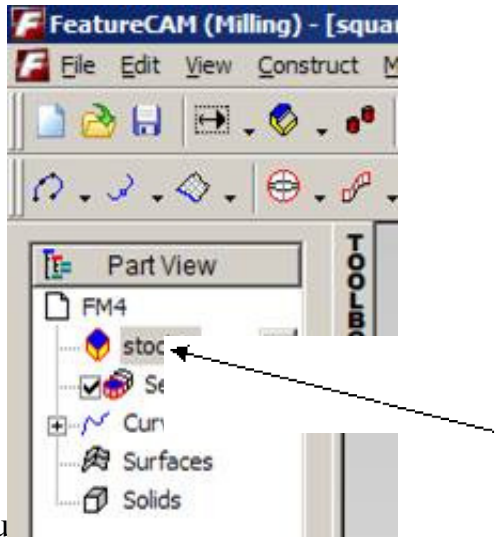
17) This dialog box should appear:



18) Select one of the five options for origin, *personal preference*

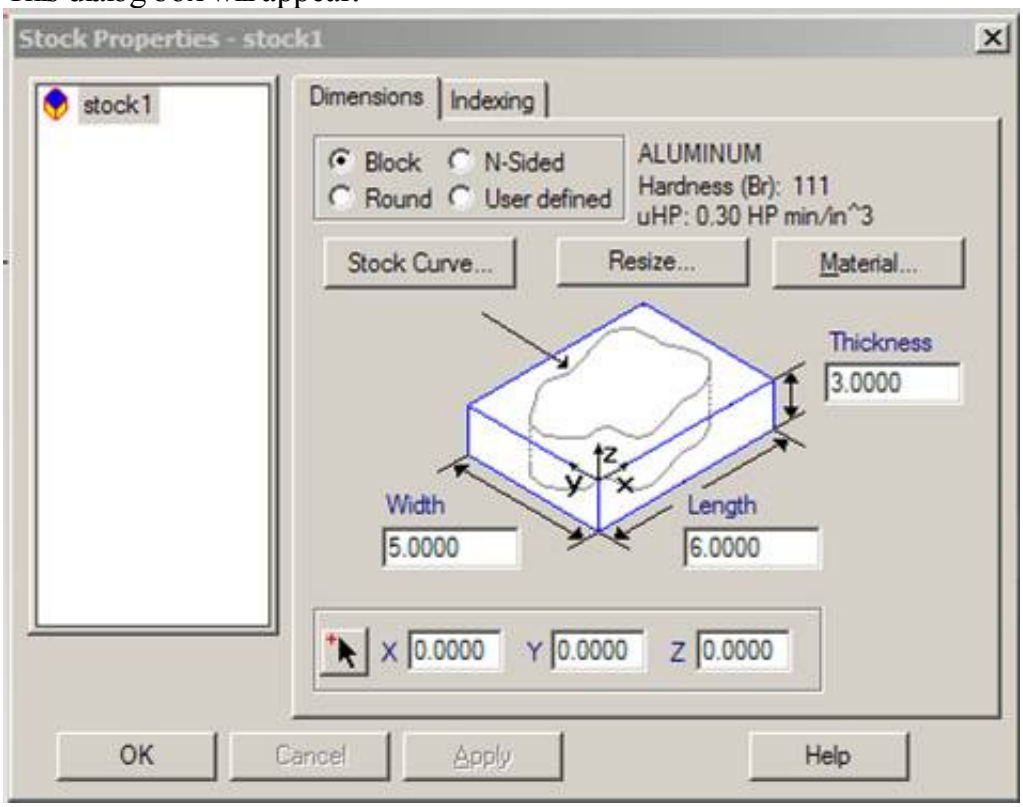
a) REMEMBER this is where you MUST set the ZERO on the MILL

19) Click next twice (2) and then click finish



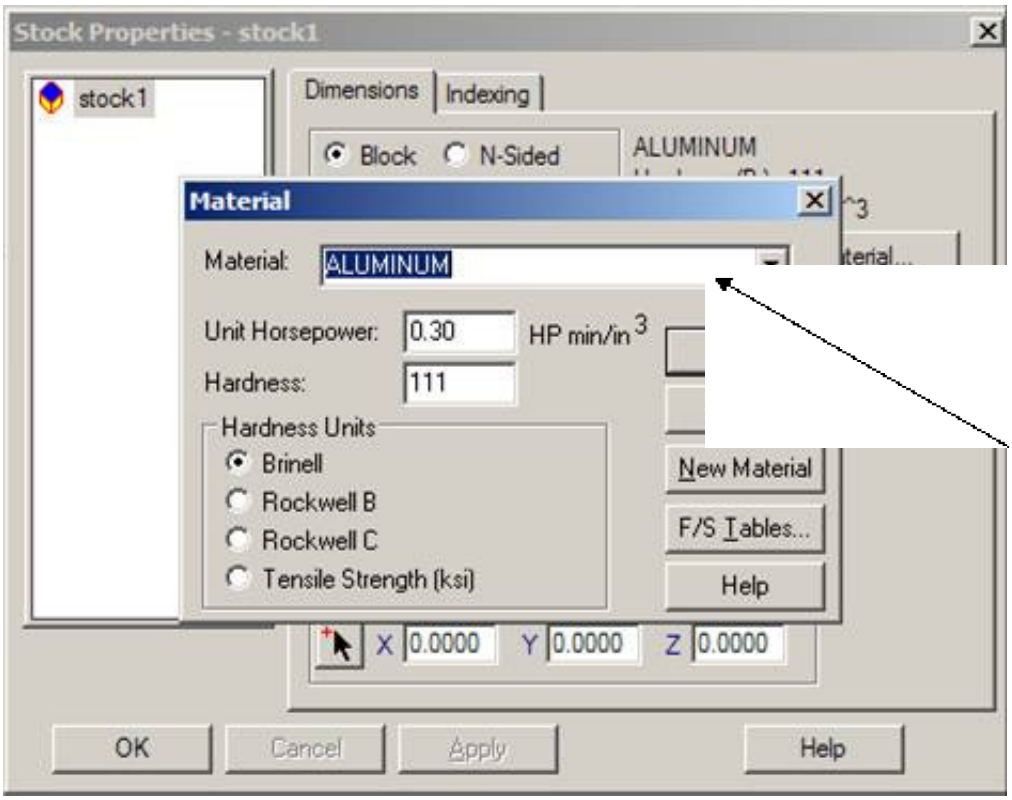
20) Double Click “stock1” from the Part View Menu

21) This dialog box will appear:



22) Click Material

23) From the Material Drop Down List Select your material



24) Click OK twice (2)
25) File Import Complete!