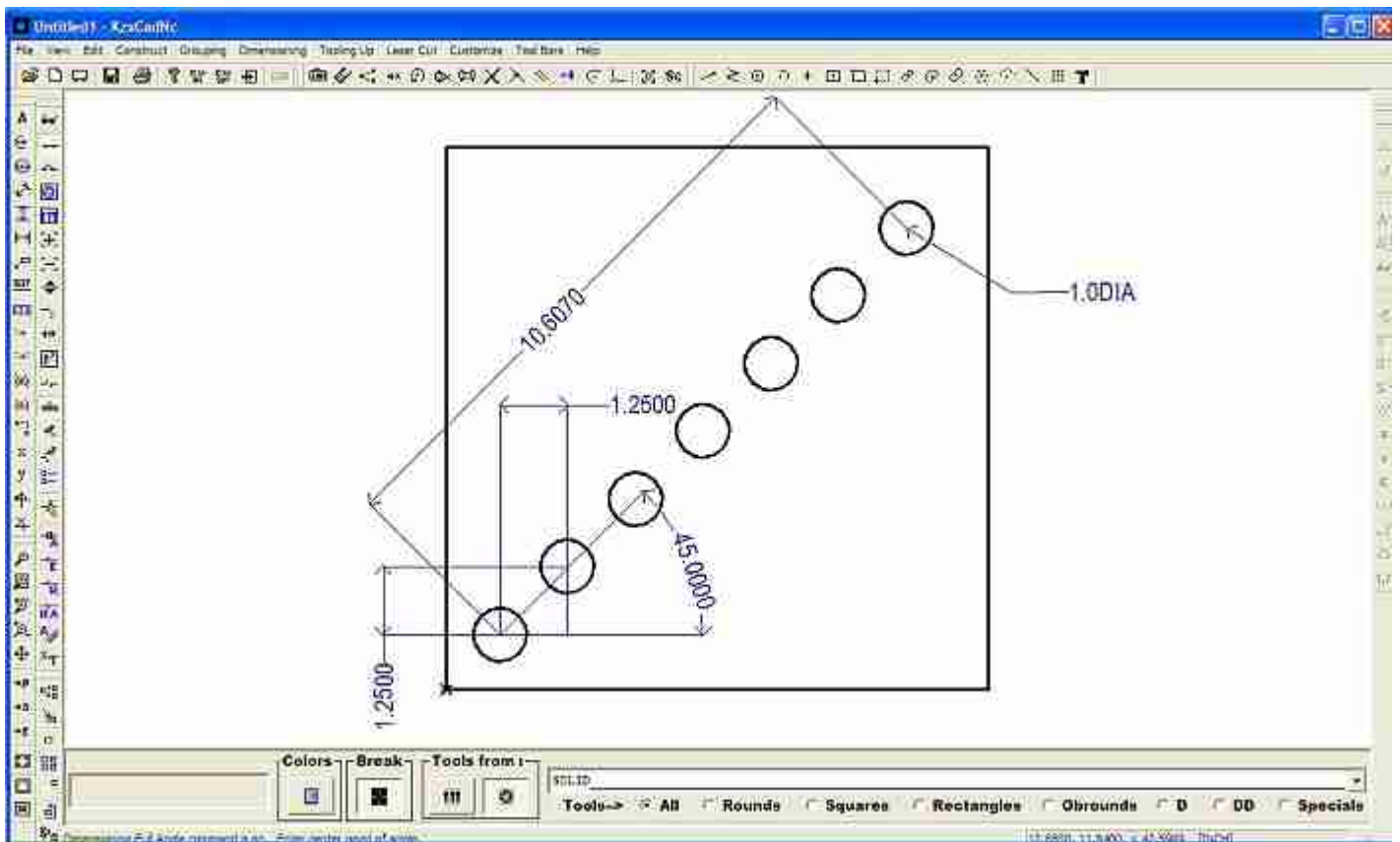


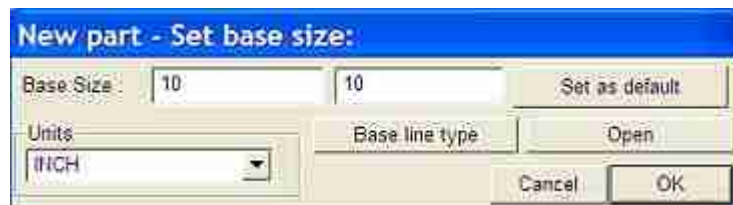
LINEAR ARRAY TUTORIAL

As shown below linear array made of 1.0 diameter hole with a spacing 1.25 X 1.25 (45DEG) with an out put of 7 holes will be our tutorial.



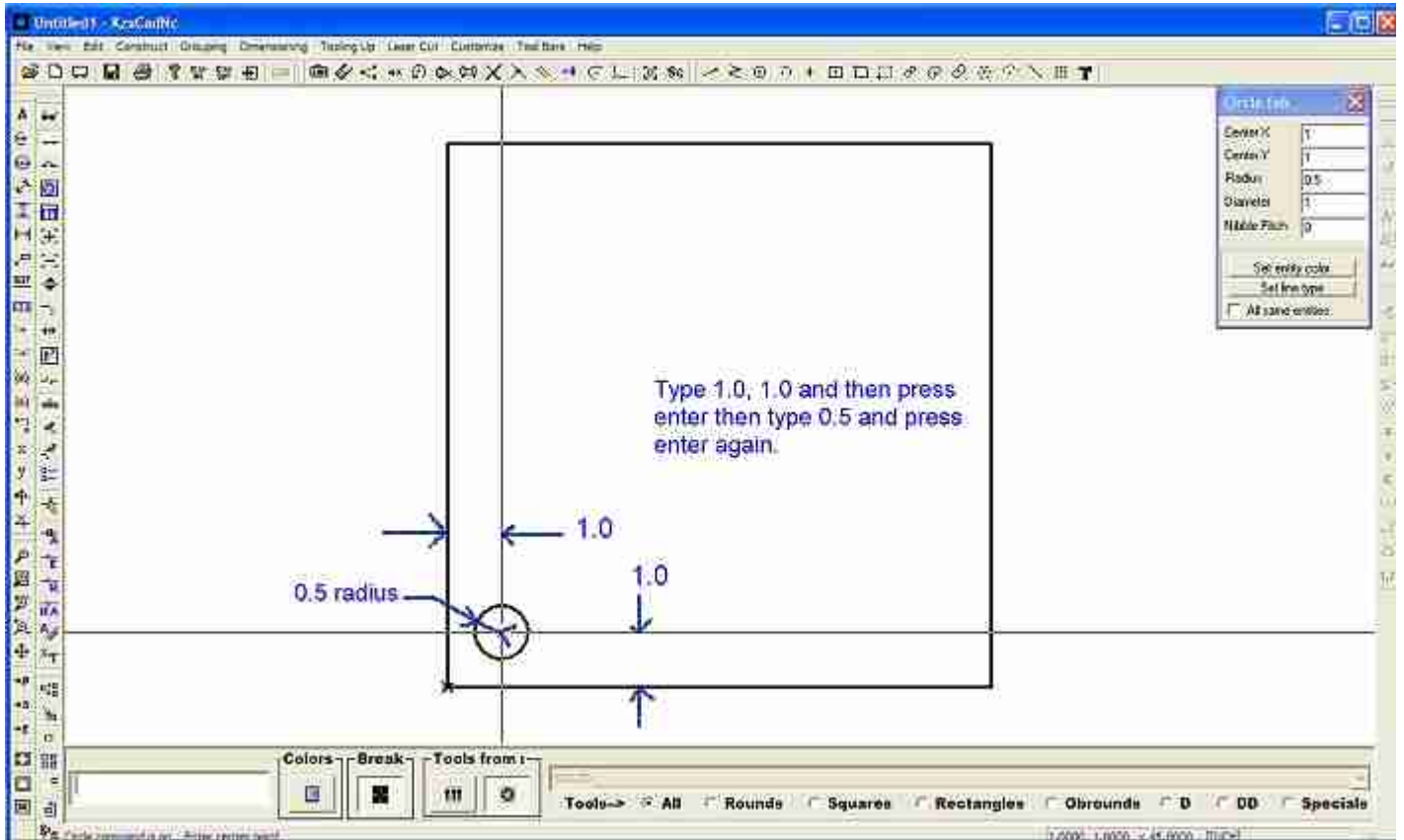
The initial base

Got menu File-New Part to initiate our base and set the base size to 10.000, 10.000 and the system to inches then click the OK button as shown below:



Drawing the 1.0 diameter hole

Go to menu Construct-Circle then type 1, 1 and press enter to locate the center of round hole and last type 0.50 and press “R” in your keyboard as shown and explained below:

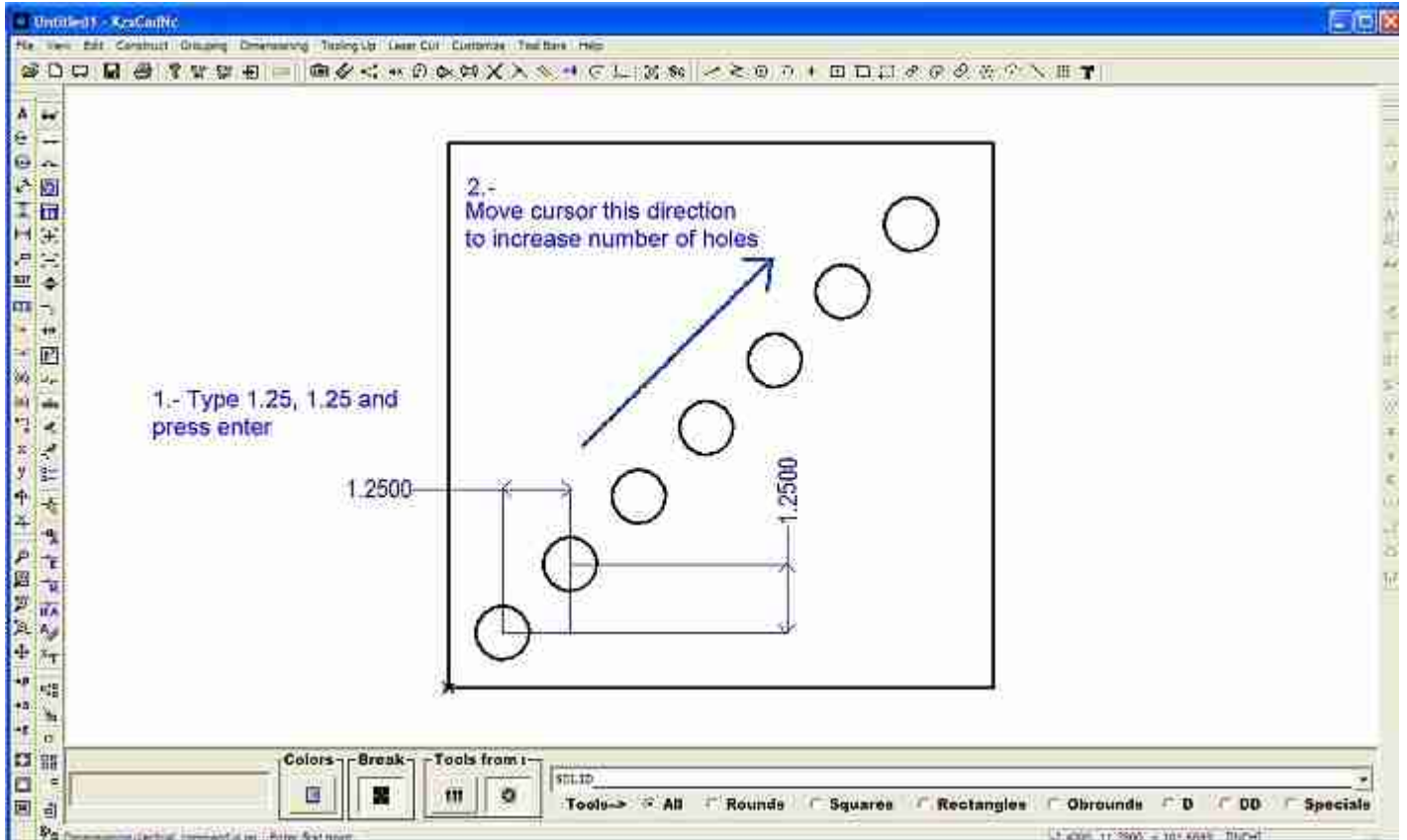


NOTE: To locate the center of the circle as in first step you can always type 1 and press “X” and then type 1 again and press “Y” which is a quick way of locating geometry as well.

Remember you can also move your origin point to any point in your work area to locate any object, just press the letter “O” turn your snaps on and left mouse click once to move it.

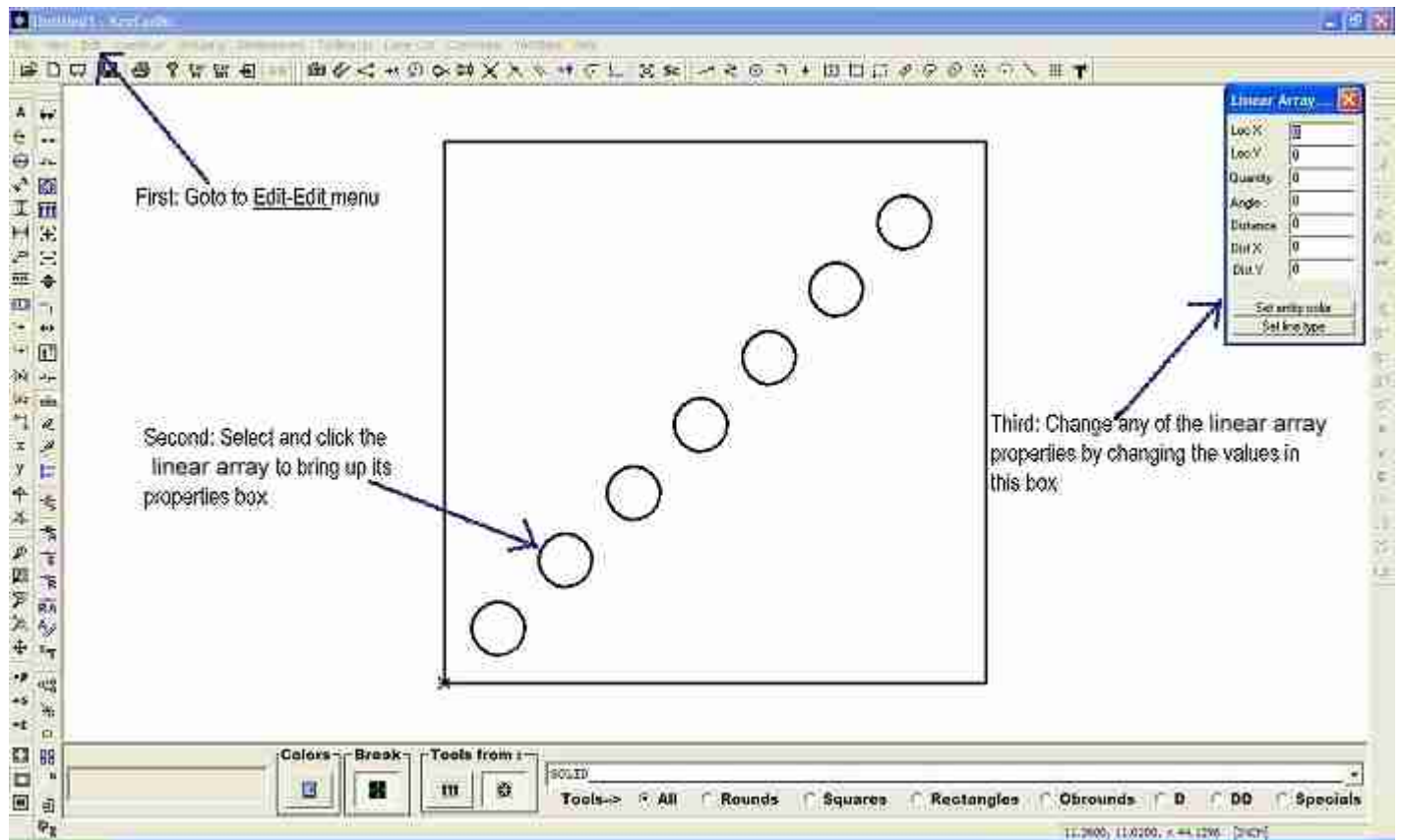
Constructing the Linear Array

Go to menu Construct-Linear Array then turn your snaps on and select the circle with a left mouse click then type 1.25, 1.25 and press enter, next just move your cursor in the top right corner direction and count the number of desired holes in both directions, when satisfied just left mouse click once or press enter to finish your square grid as shown below:



Editing the linear array

To change any of the properties go to menu Edit-Edit and changes the values in its properties box as shown below:



Note: Right click the linear array once to bring up the circle's properties box and right click a second time to show up the grid's properties box. On the second click the cursor will change shape to indicate you are selecting the linear array instead of the circle.