

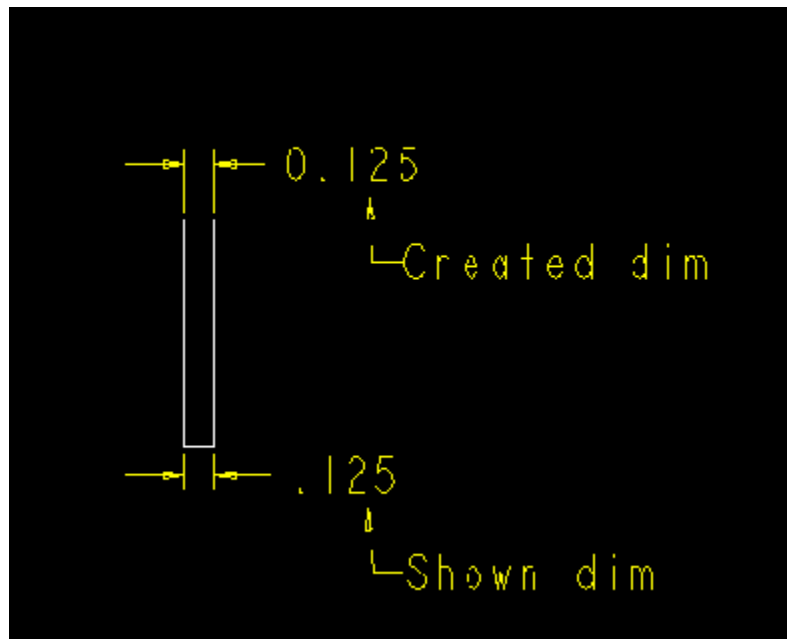
## Technique for Modifying no. of digits on driving dim

The following technique will describe how to create a dimension that will drive a model, but will not require a regeneration of that model when the number of decimal places is changed on that dimension. This is desired when the number of digits on a driving dimension needs to be modified in the drawing, but a change resulting in regeneration of the model is not desired.

### Procedure

The first step is to create a number parameter in the model with a default value equal to the model dimension. In this example, "new\_dim" will be the name of the parameter. Create a relation that equates the driving dimension to the parameter, new\_dim. The syntax of the relation would be:  
d3=new\_dim

Create the desired dimension in the drawing (be sure that the config.pro option "create\_drawing\_dims\_only" is equal to "no" so that an "ad" type dimension is created), as seen in Figure 1, and erase the shown dimension.



The created dimension in the drawing needs to become the value of the model parameter in order to drive the model. Modify the text line of the dimension from {0:@D} to {0:@O&new\_dim}. The text of the dimension is overwritten by changing @D to @O and the model parameter is called out with the &new\_dim.

Now when Num Digits is modified on that created dimension from three places to two places, the dimension will remain yellow in color and the model will not need to be regenerated, even though the value of the dimension may change from .125 to .13, for example, as in Figure 2. This dimension may also have its value changed in the Drawing mode to drive the model.

*Note:* Dimensions created in this fashion will remain yellow, as in Figure 3, and WILL require a regeneration for the model to update in size.

