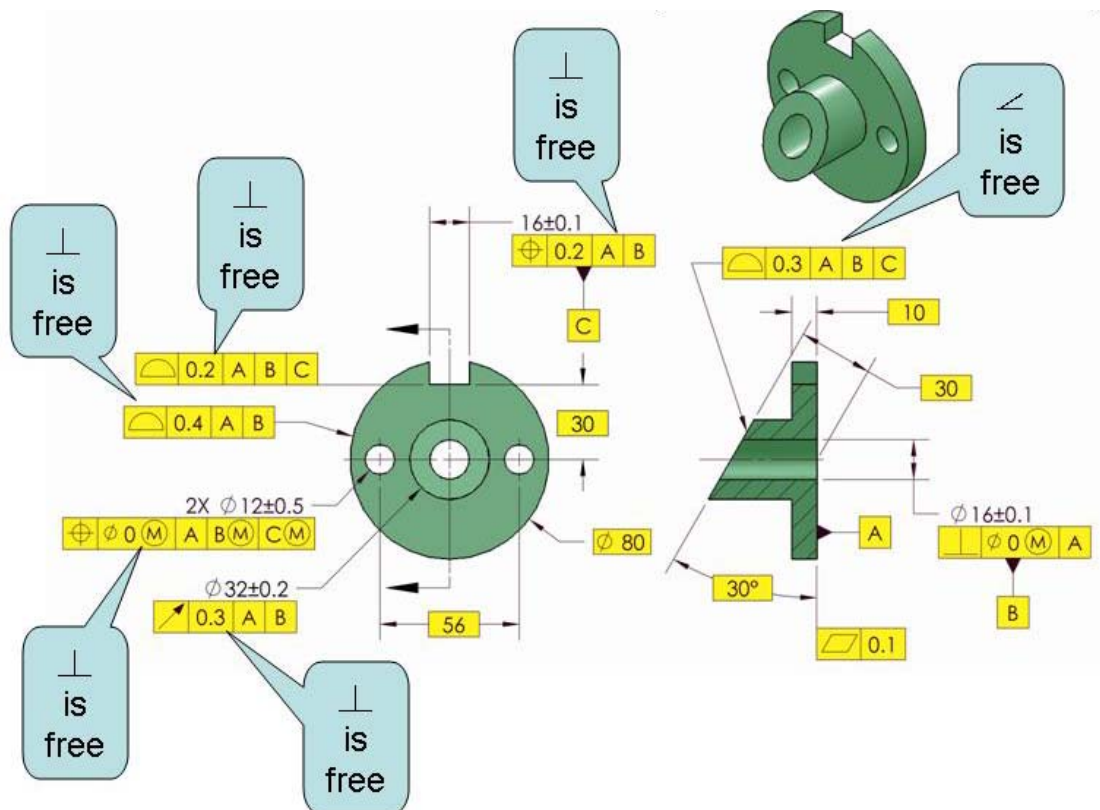


February 2009 Tip-of-the-Month

When to Use Perpendicularity?

You usually do not need to apply perpendicularity or the other orientation tolerances because you get them for free with any location tolerance. The one exception to this is on datum features. Often the relationship of secondary and tertiary datum features to higher precedent datums is perpendicularity. Once the datum features are controlled, all other features need to be located. When you locate a feature, you have automatically controlled the orientation of that feature.



Use Perpendicularity to:

- Control a secondary or tertiary datum feature to higher precedent datums
- Control the perpendicularity of a feature better than the control provided by:
 - Position
 - Profile of a surface
 - Runout

Go to <http://www.tec-ease.com/tips/Feb-09.htm> to view a video clip of Don Day explaining this Tip. Please email us any suggestions or topics that you would like to see covered in our Tip-of-the-Month series.

www.tec-ease.com