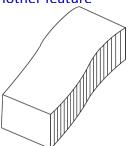
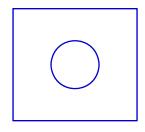
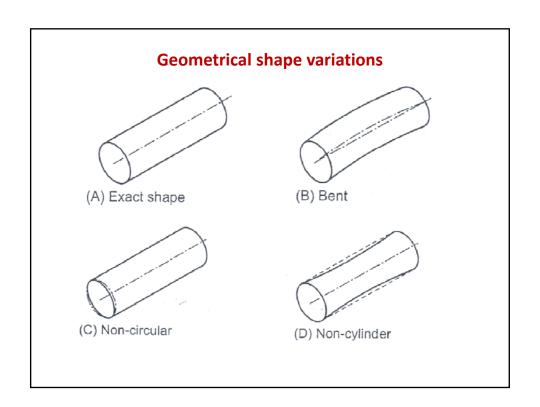
Geometrical tolerances

- ➤ Tolerance on size alone is not sufficient to ensure proper functioning of parts
- > Accuracy on form and position as equally important
- > Form variation: It is the variation of actual form from the geometrically ideal form
- ➤ Position variation: Variation of the actual position of the form feature from the geometrically ideal position with reference to another feature







Geometrical tolerances

- > Form tolerances limit the deviations of an individual feature from its ideal geometrical form
- ➤ Tolerance zone: It is the imaginary area or volume within which the controlled feature of the manufactured part should be contained completely

