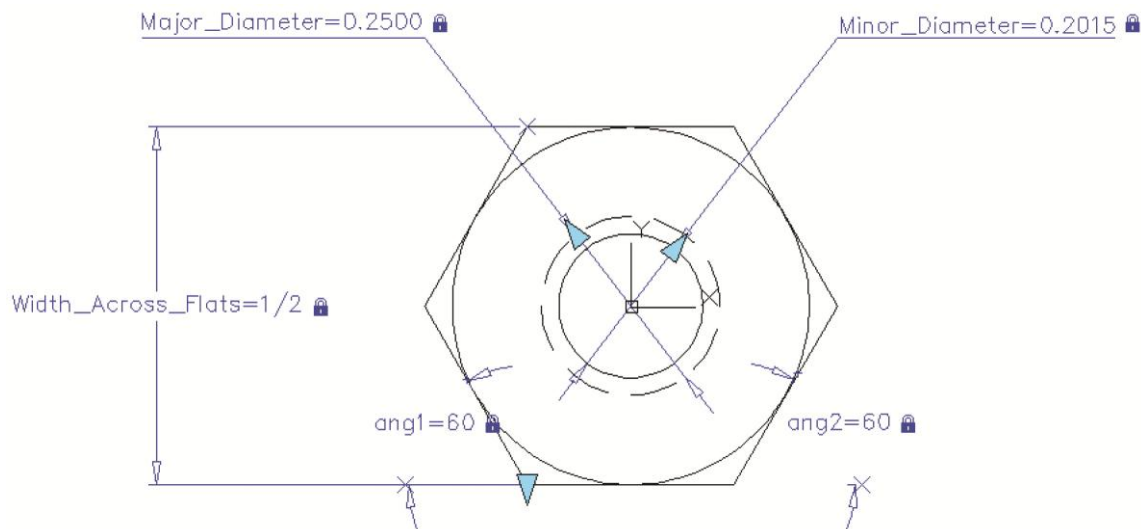


## Exercise 27-4

1. Continue from Exercise 27-3 or start AutoCAD.
2. Open the EX27-3 file you saved during Exercise 27-3.
3. Save a copy of EX27-3 as EX27-4. The EX27-4 file should be active.
4. Open the HEAVY HEX NUT block in the **Block Editor**.
5. Set the drawing units length precision to 0.0000.
6. Use the **Angular**, **Diameter**, and **Linear** options of the **BCPARAMETER** command to add the constraint parameters exactly as shown. Include a single grip with each constraint parameter, except the angular values. The angular constraint parameters establish relationships only.



7. Enter the **Test Block Window**.
8. Select the block to display grips. Pick the **Width\_Across\_Flats** grip and change the width. Repeat this process for each grip.
9. Close the **Test Block Window** and make changes to the block if the objects did not adjust as expected.
10. Retest the block if you made changes.
11. Save the block and exit the **Block Editor**.
12. Enable dynamic input if it is currently not on. Insert the block into the current drawing and select it to display grips.

13. Use each grip and the corresponding dynamic input field to create a 1-8 heavy hex nut according to the following specifications: Width across flats = 1.6250, major diameter = 1.0000, minor diameter = .8775.
14. Resave and close the file.
15. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.