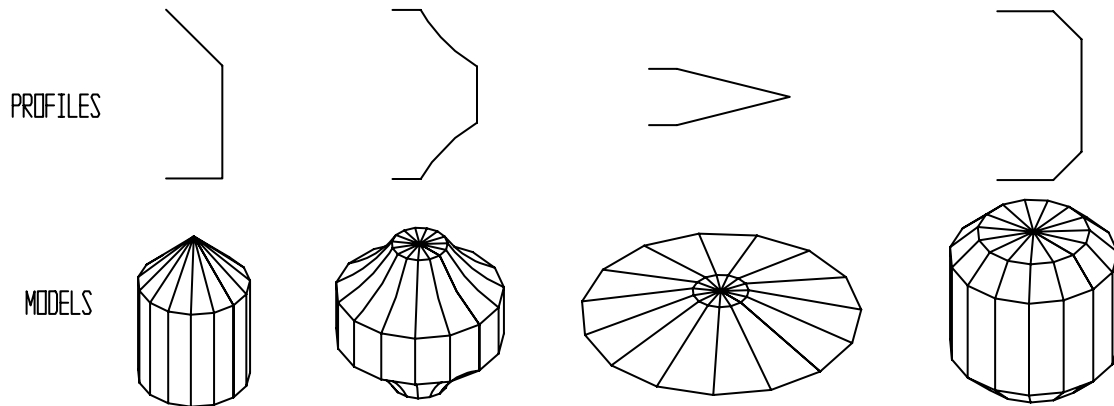


Chapter 11

WIRE FRAME MODEL



NOTE: A profile can be of any simple shape. It is very important that the ends, Points 1 and 2 are aligned vertically, **Fig. 1**.

A. OPEN B FILE.

Step 1. When you start a new drawing away start with the B file. If you started this drawing as the B file go directly to Steps B. If your did not start as the B file complete these Steps: Click **Open** from the File Menu. Click **No** to save current part. Key in **a:b** for the filename and press ENTER.

B. CHANGE TO THE SIDE VIEW.

Step 1. Change to the Side View. Use **ALT-V 2**. Hold down ALT and press V. Key in 2 and press ENTER.

C. CREATE THE FRONT VIEW PROFILE. (right side only)

Step 1. F1 CREATE.

Step 2. F1 LINE.

Step 3. F1 ENDPOINTS.

Step 4. Use the cursor to draw the simple profile, something like **Fig 1**.

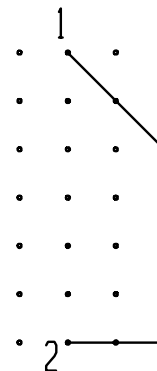


FIG. 1

D. ROTATE THE PROFILE.

Step 1. ESC to Main Menu.

Step 2. F4 X-FORM.

Step 3. F3 ROTATE.

Fit on Screen ALT-A

Delete CTRL-Q

Redraw CTRL-R

Half Size ALT-H

Step 4. F3 JOIN.

Step 5. F2 ARCS.

Step 6. F7 ALL DISPLAYED.

Step 7. F1 ALL

Step 8. Key in **45 for the Number of Copies**.

Step 9. Change to the Top View. Use **ALT-V 1**. Hold down ALT and press V. Key in 1 and press ENTER.

Step 10. Use **ALT-A** to center the drawing on the screen. Hold down ALT and press A.

Step 11. F3 ENDENT. Endent will perform a search and locate the exact end of the line.

Step 12. Click on the left end of the line.

Step 13. Press ENTER to accept 2nd point on axis.

Step 14. Key in **8 for Rotation Angle** and press ENTER. **Note:** Number of copies (Step 7) and the Rotation Angle (Step 11) multiplied together must equal 360.

Step 15. Use **ALT-A** to center the drawing on the screen. Hold down ALT and press A.

E. TURN OFF GRID and SNAP.

Step 1. Turn off the Grid and Snap. Use **CTRL-G**. Hold down CTRL and press G.

Step 2. Click **Off** in Grid Properties Display.

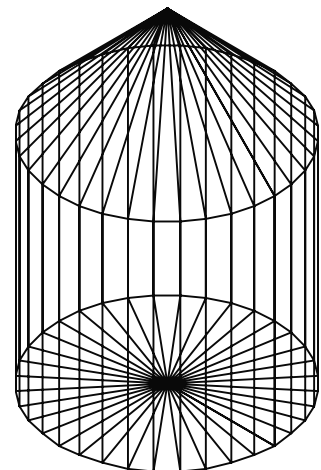
Step 3. Click to **uncheck Active** in Snap Properties. Click OK.

F. CHECK IN OTHER VIEWS.

Step 1. Change to the Isometric View. Use **ALT-V 7**. Hold down ALT and press V. Key in 7 and press ENTER.

Take a look at the other views. Use **ALT-V 2** for Front View.
ALT-V 1 for Top View.

Step 2. Save the drawing. Use **CTRL-S** to save. Key in **a:wire1** for a filename and press ENTER.



Fit on Screen ALT-A

Delete CTRL-Q

Redraw CTRL-R

Half Size ALT-H