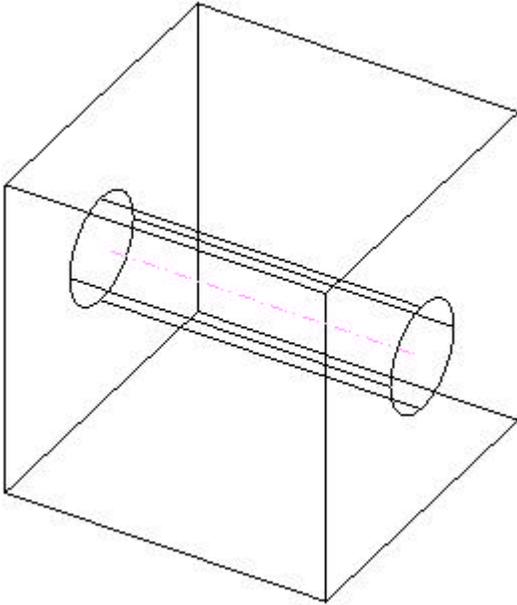


## Creating a Sheet Metal Part

### From Solid Method

This method provides a way to quickly model a part and use Sheet Metal to apply sheet metal attributes to the model.

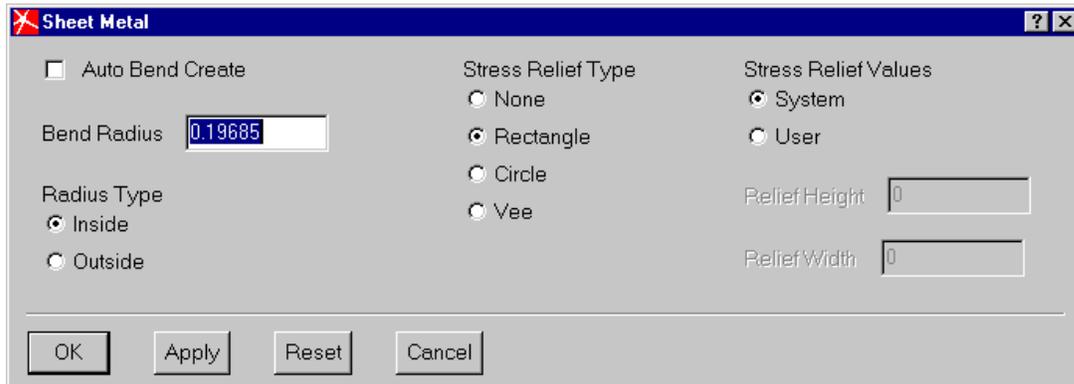
1. Create a part that looks like the one shown below. Sizes and hole locations are not important for this demonstration.



2. Open the Sheet Metal subpanel found under row five, center column, at the bottom. Select Sheetmetal from the subpanel and pick the part.

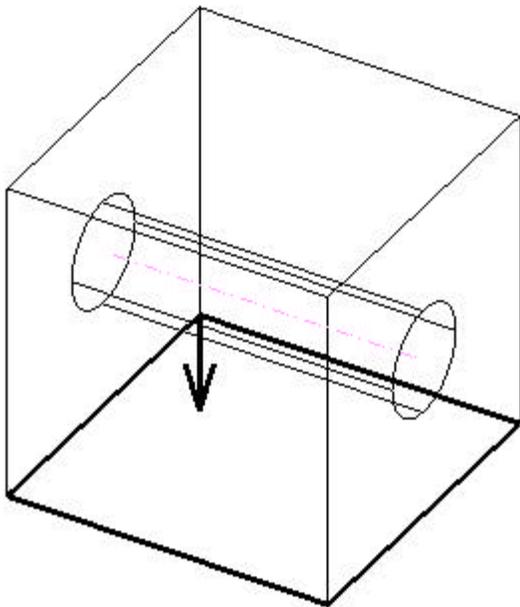


3. Accept the default material from the Materials form. The Sheet Metal form automatically appears. Notice that you have several options particular to sheet metal creation.

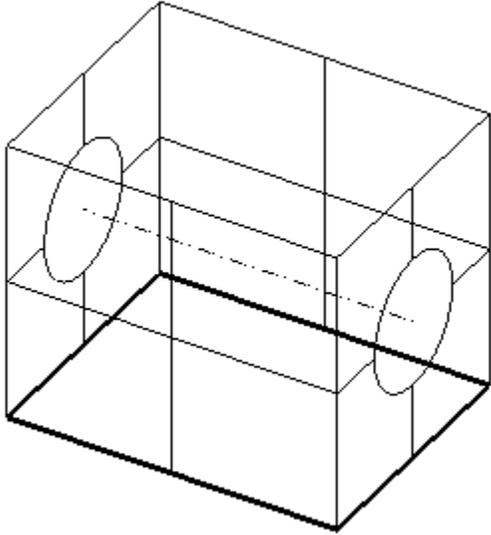


Accept the defaults for this demonstration.

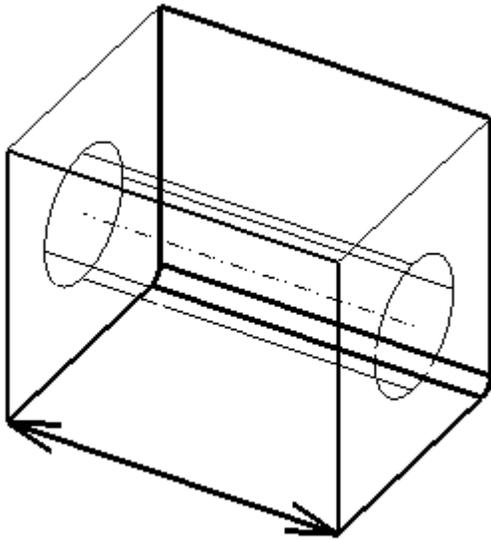
4. Pick the surface shown for the Ground Panel. This is the panel that remains stationary when the part is unfolded. Sheet Metal asks which direction to thicken the part. Thicken to the outside for this demonstration.



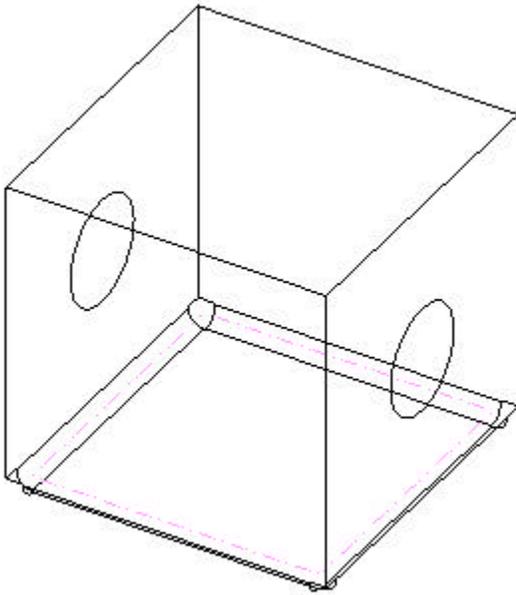
5. It will then ask to Pick Panel Faces. Shift pick the four vertical faces.



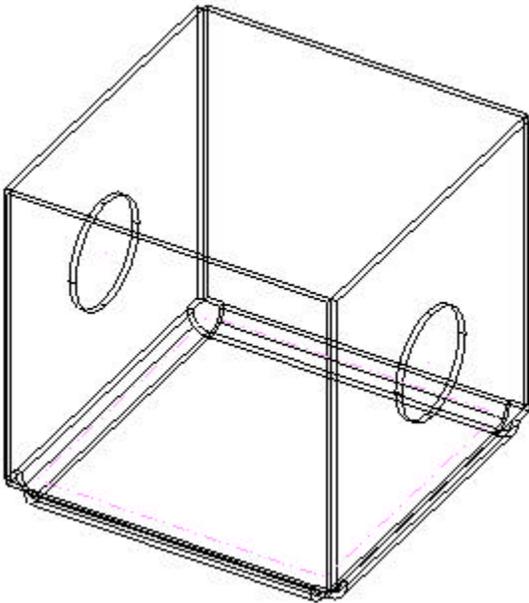
6. Sheet Metal begins asking if bend locations are correct. Each bend has individual sheet metal options in case a particular bend has different characteristics than what was defined on the Sheet Metal form. Use the defaults for this demonstration.



7. Pick the middle mouse button twice after all bends have been identified.



8. Shell the part. Notice that the options for thickness and direction are unavailable. These are determined from the material selected and the thickening direction specified in steps 3 and 4.



The part is now a sheet metal part and can be folded and unfolded.

9. Use Fold and Unfold Panels to show a preview of the new state. Pick Update to complete the task.

