





BOX with Hinged LID Worksheet:

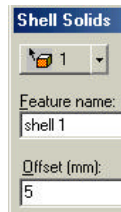
Note: There is a self-running video clip of this worksheet available on www.intad.asn.au


Box Base:

1. Select the Rectangle Tool  & draw a rectangle.
2. Select the Dimensioning Tool  & Left Mouse Click (LMC) & Drag away from each edge of the Rectangle. LMC somewhere in the drawing area to get back the mouse cursor.
3. Double LMC each dimension in turn. The left one change to 400 & the right one to 200.
4. Use the Extrude Tool  to go BELOW the Workplane to 80




5. Use the Face Selection Tool  to select the TOP Face of the object. Use the






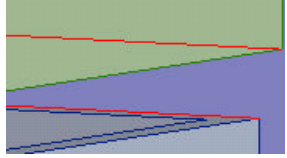

Shell Tool  to shell the object to 5

6. Save as Box Base.


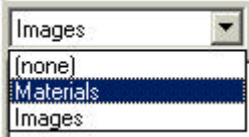





Box Lid:

1. Repeat 1 to 4 above, but Extrude  to BELOW the Workplane to 35.
 2. Use the Arrow keyboard keys to rotate the object so that the bottom face can be seen.
 3. Complete 5 above except select the bottom Face.
 4. Save as Box Lid.
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Box Assembly:

1. Each Assembly starts as a NEW Design file.
2. Goto Assembly drop down menu & choose Add Component. Choose Box Base.
3. Goto Assembly > Fix Component.
4. Repeat 2 above except choose Box Lid.
5. Use Select Faces Tool  to select one short end Face on the Base. Hold down the SHIFT & LMC the matching Face on the Lid.
6. Goto Assembly > Align.
7. Use the Arrow Keys to rotate &/or use Zoom In Tool , as needed
8. Use the Select Edges Tool  to select one back edge on the Base. Then 
SHIFT + LMC a corresponding Edge on the Lid.
9. Goto Assembly > Centre Axis.
10. Select the Lid  & LMC + Drag Lid to see Hinge Action.
11. Leave the Lid open about 60°
12. Save as Box Complete.

Album:

1. Goto New Album
2. Goto Image > New Image > choose Box Complete
3. LMC the green Update Icon 
4.  Choose Materials
5. Goto Non-Metals. LMC + Drag Marble Natural to the Base wire frame & Update 
6. As in 5 above except to Lid & Update 
7. Choose the Faces Tool 
8. LMC + Drag the Mirror item to the underside face of the Lid & Update 
9. Goto the Image Drop Down Menu > Image Properties > Studio > Lighting > Room Lighting > OK & Update  There should be Shadows produced that will also effect the Mirror Reflection.
10. Save as Box Album.

Note: At any stage of this worksheet, the current Design or Album may be exported via the File menu to several different Graphics formats.