ANSYS - 3D Curved Beam step 2

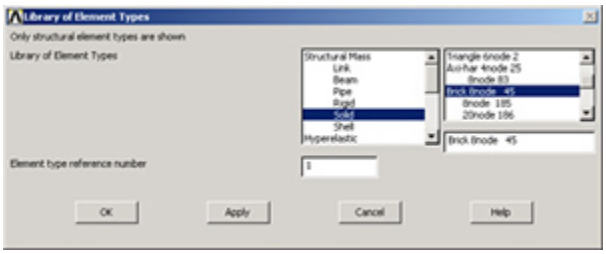
Problem Specification
1. Start-up and preliminary set-up
2. Specify element type and constants
3. Specify material properties
4. Specify geometry
5. Mesh geometry
6. Specify boundary conditions
7. Solve!
8. Postprocess the results
9. Validate the results

Step 2: Specify element type and constants

Specify Element Type

Main Menu > Preprocessor > Element Type > Add/Edit/Delete > Add...

Under ***Structural Mass***, pick ***Solid*** in the left field and ***Brick 8-node 45*** in the right field. Click **OK**.



Close the *Element Types* dialog box and also the *Element Type* menu.

Specify Element Constants

Main Menu > Preprocessor> Real Constants > Add/Edit/Delete > Add...

This brings up the *Element Type for Real Constants* menu with a list of the element types defined in the previous step. We have only one element type and it is automatically selected. Click **OK**.

You should get a note saying "Please check and change keyopt setting for element SOLID45 before proceeding." This means that there are no real constants to be specified for this element, as you might recall from the plate tutorial.

Close the *Real Constants* menu.

Save Your Work

Toolbar > SAVE_DB

Go to Step 3: Specify material properties

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