

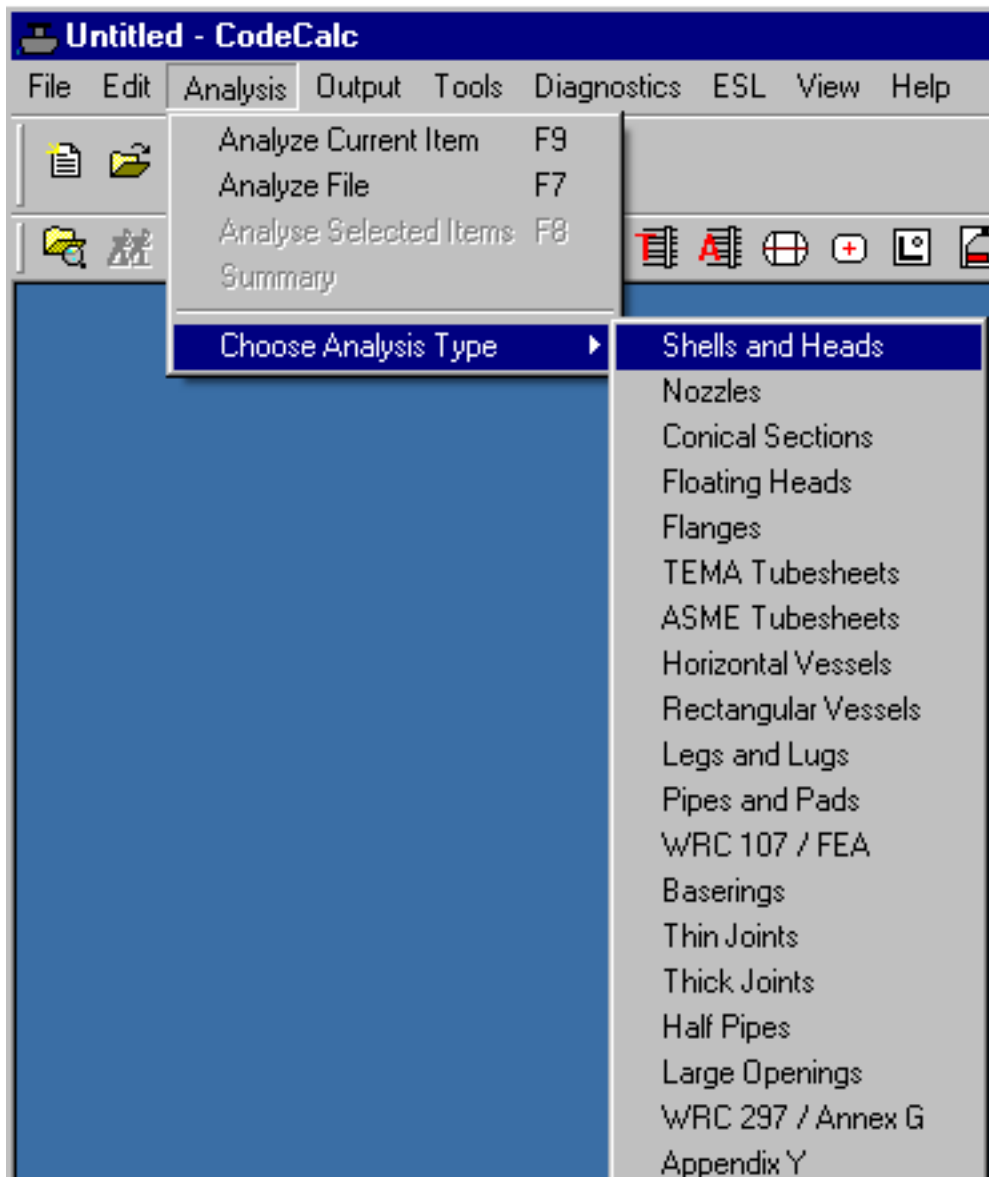
Getting Started with *CodeCalc*

Introduction

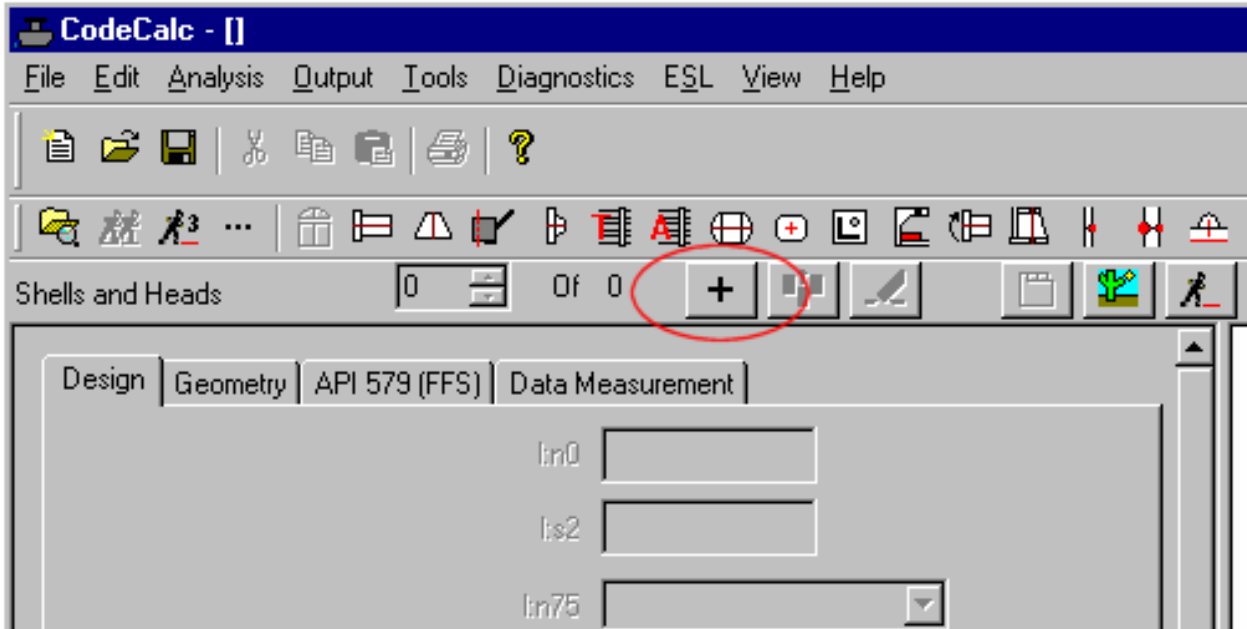
CodeCalc is very simple to use. Once you know the basics of how to design and analyze pressure vessel components you will find it very easy to move around the program.

Using CodeCalc

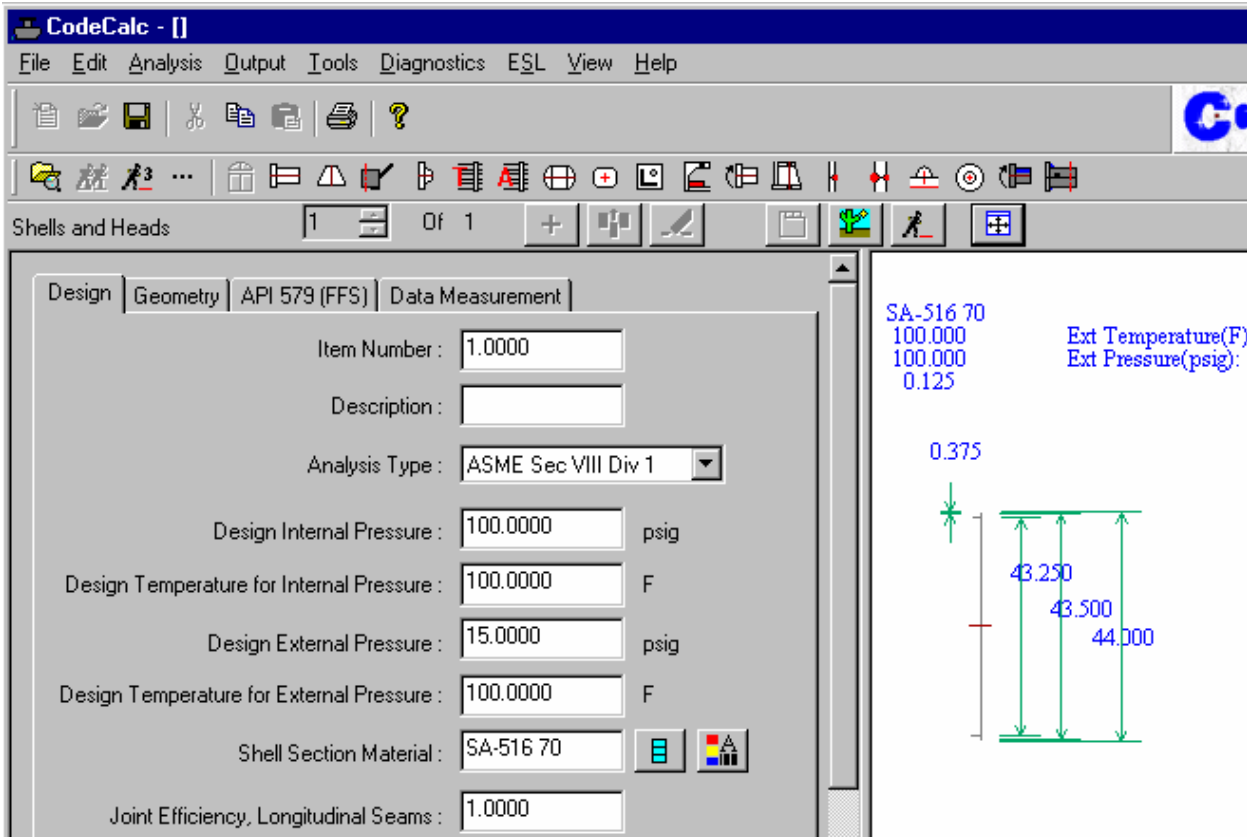
Once **CodeCalc** is up and running a blue desktop appears. To analyze a component from the **Main Menu**, click **ANALYSIS/CHOOSE ANALYSIS TYPE**, and then select the component you wish to analyze. In the illustration below, we selected Shells and Heads.



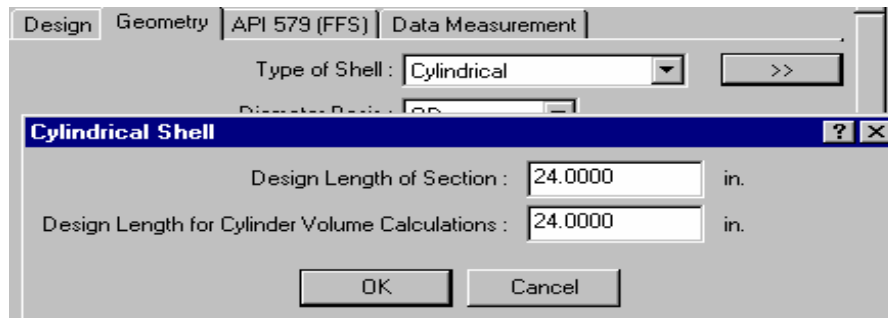
Now click the **Shells and Heads** component, and the **Shells and Heads** input screen, will appear.



The input screen is disabled, and you cannot access the input fields. To enable the input screen, you must click the + button. Once you click the + button the input screen becomes active and populates with data with some default values.





You are now able to enter the information. Work your way through the tabs: Design, Geometry (ignore the other two tabs for the time being). Do not forget to enter the length of the cylinder from the button next to the Type of the shell.

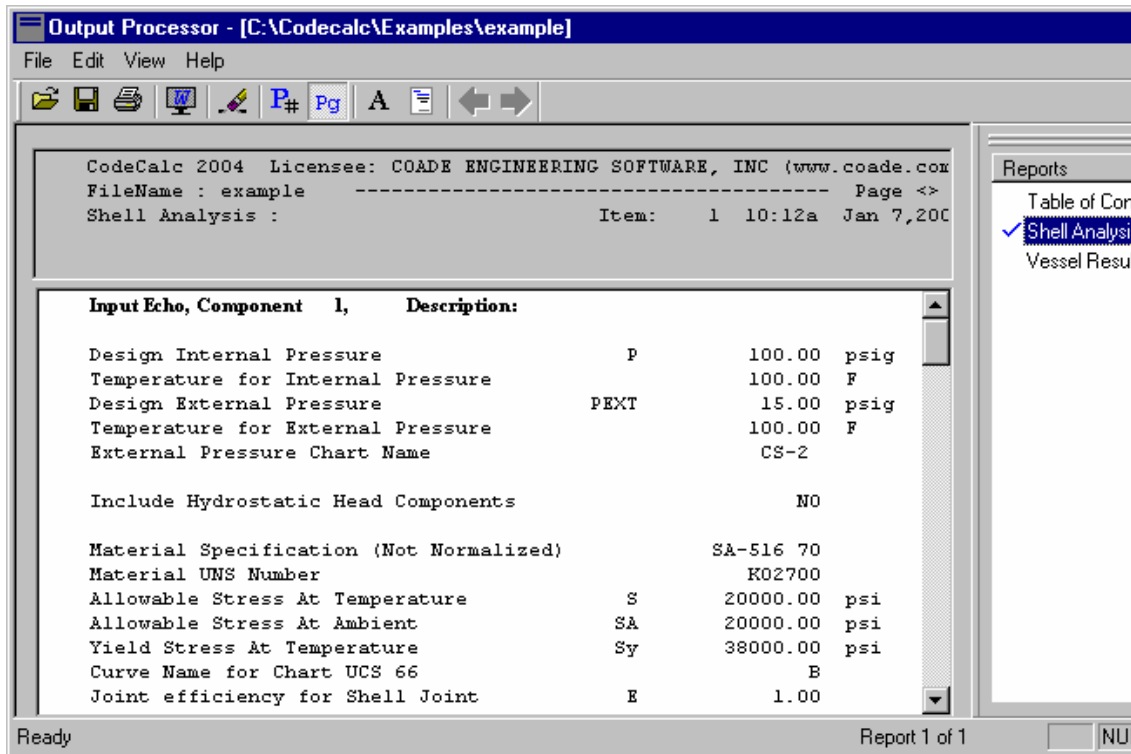


Getting the Results

By now, you are probably wondering how to get the results printed. This is very simple. We have to generate the output, so we invoke the output processor. The output processor provides you with a list of all the components in your model. You can invoke the output processor by clicking on either one of the (3) running man buttons that are located above the data input area.

If you click the running man icon with a single man , you will get the results of the current item you are analysing on the screen to view. It can also be printed from the screen as well.

One running man button has the number (3) next to it , and the other button is a double running man . If you click the running man with the number (3) next to it, you will receive an output processor screen that resembles the following figure. However, if you click the double running man you will receive the output screen displaying the results of the calculation for the selected component.



Press the **Ctrl** button on your keyboard, and click the items you are interested in viewing.

Look at the icons at the top of the screen. From left to right, they are:

- Open
- Save
- Print
- Send output to MS-Word

Clicking on the report from the list on the right, opens that report. You can scroll down to see the complete calculation for that component. If you had selected more than one component to generate output, you can go from component to component using the right and left arrow buttons as show here.

Once you finished looking at the results, you can return to the output processor screen by clicking the house icon or choose *Close Microsoft Word* option from under the **Output** menu.

Now let us look again at the output control icons. Click the TV screen with the letter 'W' in the middle. This will send your selected output to MS-Word™ if MS Office™ is installed on your computer. Once MS-Word opens up with the results, you are able to edit the file as you would any Word document. You can re-name the file, and add your own notes and import images into the document. This is a very powerful feature of **CodeCalc**.



To send the output to a text file, click the 'File' menu, and follow the instructions.

If you wish to analyze multiple Shells and/or Heads, simply click the **+** button, and a new **Shells and Head** input screen will be added. You will not see any major differences in this input screen, except to the right of the Shells and Heads label there will be a box displaying a number which means you are now able to enter the information for the next Shell and/or Head.