



# Rotate (active elements) tool

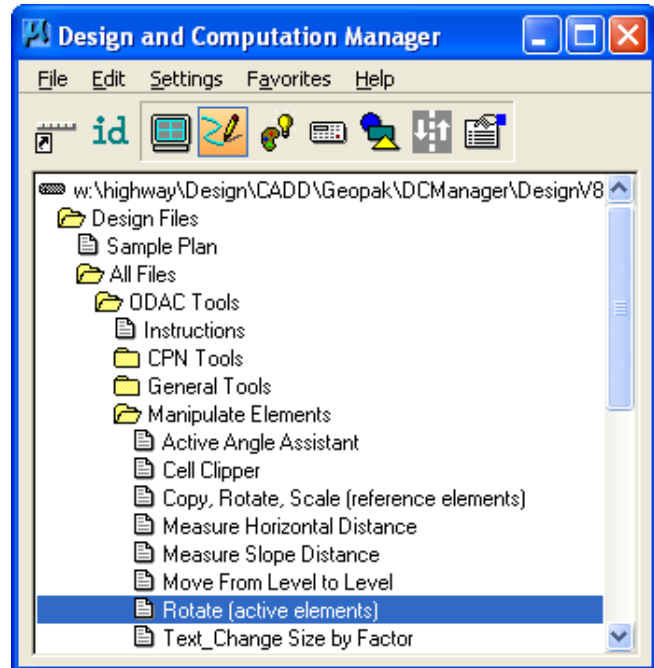
This tool can be accessed from the Geopak: D&C Manager, as shown to the right.

(If the item is not found as shown, use the *D&C > Edit > Find* tool to locate it.)

The **Rotate (Active Elements)** program is often referred to as just the “**Rotate**” program.

**NOTE:** The **Rotate** program manipulates elements that exist only in the active model, and it does not include reference files.

To copy elements from a reference file, use the **Copy, Rotate, Scale** (reference elements) tool.



The **Rotate** program rotates elements in the active model, using the angle specified in the **Rotate Active Elements Only** dialog, as shown at the right.

Two **Angle** options include:

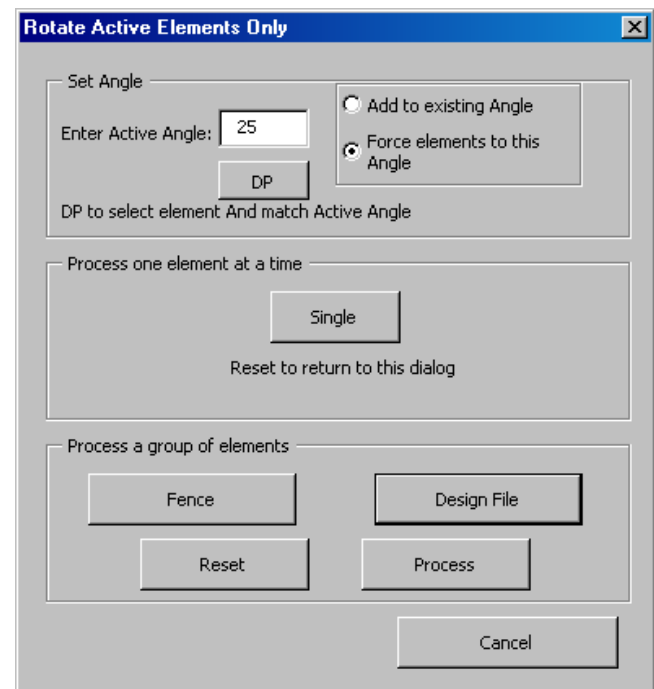
1. **Add to Existing Angle**, and
2. **Force elements to this Angle**

Both **Angle** options refer to the angle entered in the **Enter Active Angle** data entry field.

Elements can be processed

1. One at a time (**Single**), or
2. In groups, (by **Fence**), or
3. The entire model, (**Design File**), can be processed

as shown by the *buttons* at the right.



## The Set Angle grouping:

Two radio button options, (**Add to existing Angle** and **Force Elements to this angle**), allow elements to be copied and rotated to a specific entered angle or to an angle created by adding the entered angle value, (shown in the **Enter Active Angle** text entry field), to the current **Active Angle** value.

The **Enter Active Angle** textbox initially displays the current MicroStation Active Angle setting. The **Active Angle** entry can be changed by entering a new angle value in this text field. The **Active Angle** can also be changed by clicking the **DP**, (Data Point), button and selecting a design file element from which the element placement angle will be copied. The angle of the selected element will become the new **Active Angle**, and the new angle will also be displayed in the textbox.

The **Add to existing Angle** option causes the angle value displayed in the textbox to be added to the angle associated with the original element placement, whether **Single**, or by **Fence**, or by the “entire model”, by clicking the **Design File** button.

(Example: If the text box initially shows 12°, and the identified element was initially placed at 15°, then the new angle will be 27°, which is the sum of the two.)

If the **Force Elements to this Angle** option is selected, the program will rotate the selected elements to the exact angle displayed in the textbox, regardless of the current element angle. (

(Example: If the identified element was originally placed at 0°, and the entered angle is 45°, then the copied element will end up at 45°. If the original element was at 45° and the entered angle is 45°, then there would be no change in the element angle.)

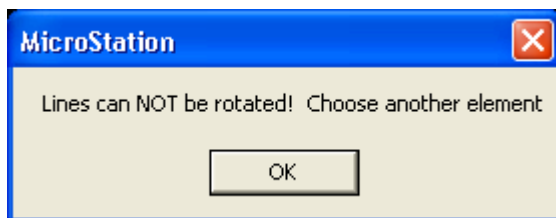
## Process one element at a time

The **Single** option prompts for an element identification and then to accept that element.

## Process a group of elements

The options within the **Process a group of elements** grouping include processing a fenced collection of elements, (**Fence**), or all elements in the model, (**Design File**).

When the **Design File** option is selected, the **Process** button immediately highlights, indicating the program is ready to process the entire model. *Clicking* the **Process** button rotates all elements within the model that are capable of rotation. Line elements will NOT be rotated.



The **Reset** button will clear the program of any information that is used when the **Fence** or **Design File** button is pressed.

**Cancel** ends the program