**MicroStation Tip: Keypoint Snap**

The **Keypoint**snap mode is often the most useful snap mode for drafting operations. This is because the **Keypoint**snap mode snaps to an element’s nearest “keypoint.” A keypoint can be a variety of snap locations such as endpoints, midpoints, vertices, center, etc. depending on the type of element that is to be snapped to.

*Common elements and their respective keypoints include:*

- Lines, Line Strings – Endpoints, Vertices

- Arcs – Endpoints, Quadrants, Center

- Circles, Ellipses – Ends of Axes, Quadrants, Center

- Cells – Keypoints of Component Elements

- Curves – Projections along Curve

- Shapes – Vertices

- Text, Text Nodes – Justification Point (Left Top, Center Center, etc.)

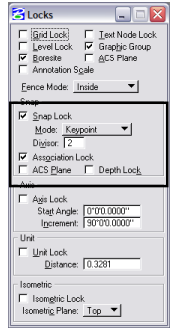
Snap Mode

A powerful feature that the *Key Point*snap mode has is the **Snap Divisor**. This divisor subdivides an element’s snap locations into equal segments.

For example, snapping to a line when the **Snap Divisor** is set to 1 will have two available snap locations, the two end points, thus the element’s snap location is divided into 1 segment. Snapping a line when the **Snap Divisor** is set to 2 will have three available snap locations, thus the element’s snap location is divided into 2 equal segments.

**Setting the Snap Divisor:**

**Option 1:** The **Snap Divisor** settings can be accessed from the *Snap*section of the **Locks** dialog box **(Settings > Locks > Full).**



**Option 2:** Using the key-in browser dialog, type: KY=2

Key-In

**Option 3:** AccuDraw Shortcut “K” will open the Keypoint Divisor dialog where the user can either type a value or select a number from the drop down list.

