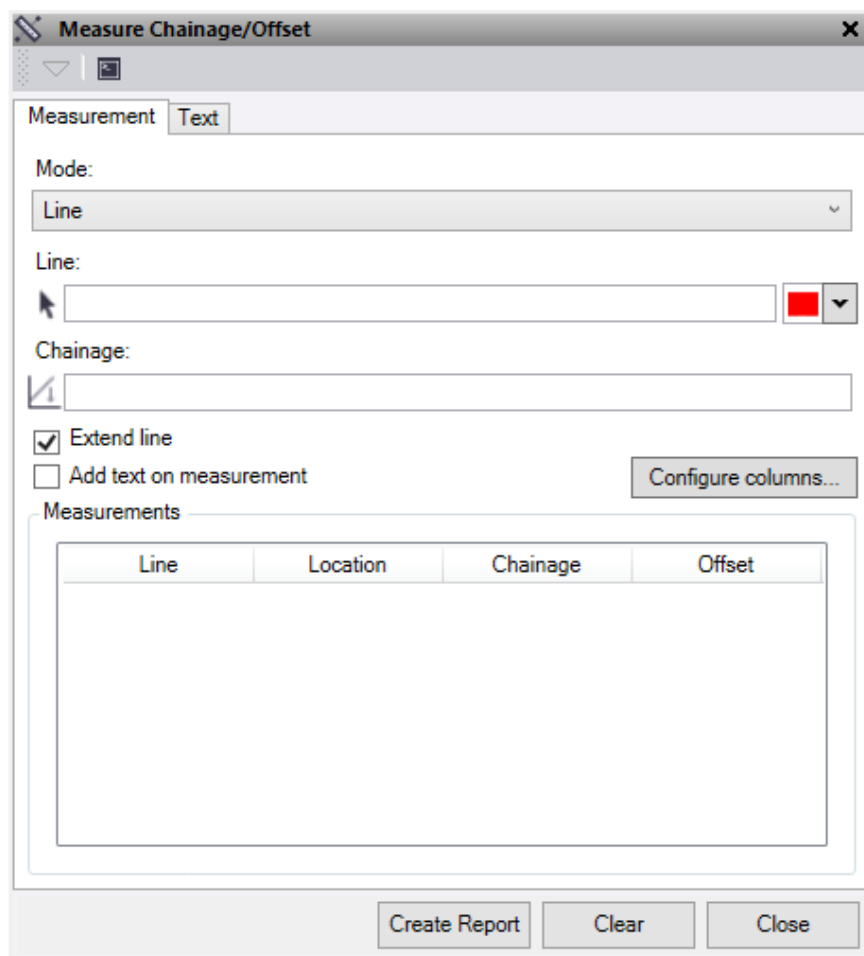




Measure Chainage/Offset

Command Description

The Measure Chainage/Offset command allows the user the ability to select a line, or two points to create a line - then investigate objects for chainage and offset. Annotate to a layer and/or create excel report.



The screenshot shows the 'Measure Chainage/Offset' dialog box. It has a 'Measurement' tab and a 'Text' tab. The 'Mode' dropdown is set to 'Line'. The 'Line' field has a mouse cursor icon and a red square button. The 'Chainage' field has a pick box icon. There are checkboxes for 'Extend line' (checked) and 'Add text on measurement' (unchecked). A 'Configure columns...' button is next to the 'Add text on measurement' checkbox. Below these is a 'Measurements' section with a table. The table has four columns: 'Line', 'Location', 'Chainage', and 'Offset'. The table is currently empty. At the bottom of the dialog are three buttons: 'Create Report', 'Clear', and 'Close'.

Measurement Tab

1. Select a **Mode** to use - pick from list:
 - Choose **Line** to measure chainage and offset against an existing line.
 - i. Select the **Line**. Option to change the selection highlight colour.
 - Choose **Points** to create a temporary line to measure chainage and offset against. These can be line nodes, coordinates, or points.
 - i. Select a **Begin** and **End** point.
2. Use the **Chainage** pick box to select the objects to measure. These measurements will display in the *Measurements* text box.
3. Check the **Extend line** box to allow measures beyond the end to the drawn line.

4. Check the **Add text on measurement** box to place the measurements directly on the screen as you select each location. These settings are on the **Text** tab.
5. The **Configure columns** button allows the user to nominate which measured values are displayed in the measurements text box and reported.
6. Press the **Create Report** button to create an excel file of the data in the *Measurements* text box.
7. Press the **Clear** button to clear the measurements text box.

Text Tab

1. Go to the **Text** tab to draw the measurements taken and recorded in the measurement tab to text.
 - Define the **Layer** – A layer called “Text – MeasureChainageOffset” is automatically created
 - Choose a **Colour**
 - Choose a text **Style**
 - Enter a text **Height**
 - Enter a **Gap** between the location and the start of the text.
 - Check the **Draw leader line with gap** box to add a leader line when a gap has been used
 - Choose the **Line style** used when drawing the offset line.
 - Check the **Text on measurement line** box to align the text along the offset line.
 - Check **Include data prefix** to include the “Data” type as a prefix to the text on screen.
 - **Chainage** – Chainage location along the controlling line.
 - **Offset** – Offset from the controlling line to measured location.
2. **Create Text** button will create text of all the measurements taken and currently active on the *Measurement* tab.
3. **Clear Layer** button will delete everything on the selected layer that contains the text.

Example:

