

SpanCheck Quick Start Guide

- **Sketch**

The top of the screen shows a sketch of the current calculations. The groundline is shown in green, the conductor in blue, and the calculated clearance in red. The text below the sketch shows the clearance and the point in the span where that clearance was calculated. If SpanCheck was asked to find the point in the span where the smallest clearance exists, the text “(minimum clearance)” is also shown.

- **Description**

Enter a description to identify the project.

- **Conductor**

Enter the tension and weight of the conductor or cable bundle for the condition under which the clearance is being calculated. These values come from the conductor sag chart and are usually the worst case sag as defined by the NESC: 32°F with ice from the NESC loading district, 120°F, or greater than 120°F if so designed.

- **Attachment heights**

For each pole, enter the height of the conductor above ground at the attachment point.

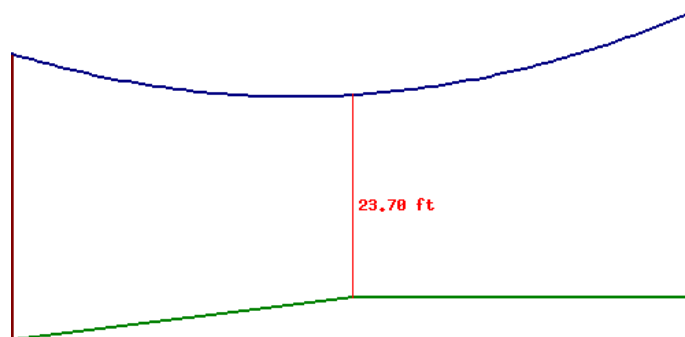
- **Calculate Clearance at**

Check “Minimum” and SpanCheck will calculate and display the location of the least clearance. Check “Specified Location” and enter an X value and SpanCheck will calculate the clearance at the point specified. For example, if the poles are at X=0 and X=400, entering a location of 200 ft would check the clearance at the midspan. Entering a location of 100ft or 300ft would check the clearance at the quarter span.

- **Groundline**

Enter X,Y coordinates that describe the groundline. For example, a 400ft span where the ground gradually rises 5ft to the midspan and is then level to the next pole might look like:

0 , 0 200 , 5 400 , 5 which would give a ground line similar to the one shown here:



- **Calculate**

Click the calculate button to update the image and the results shown at the top of the page.