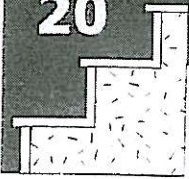


Large radius spiral flights



How to measure a large radius spiral flight

Large radius spiral flights are the most challenging stairway flights you will encounter. But if you follow the techniques outlined in this guide you will be able to measure them accurately thus ensuring a "best possible" Stairlift fit for your customer's stairway.

As in the case of flat curve and short radius spiral flights, you will complete a site survey and the section on straight flights on the *Large Radius Spiral Measurement Sheet-Order Form* before tackling the large radius spiral sections.

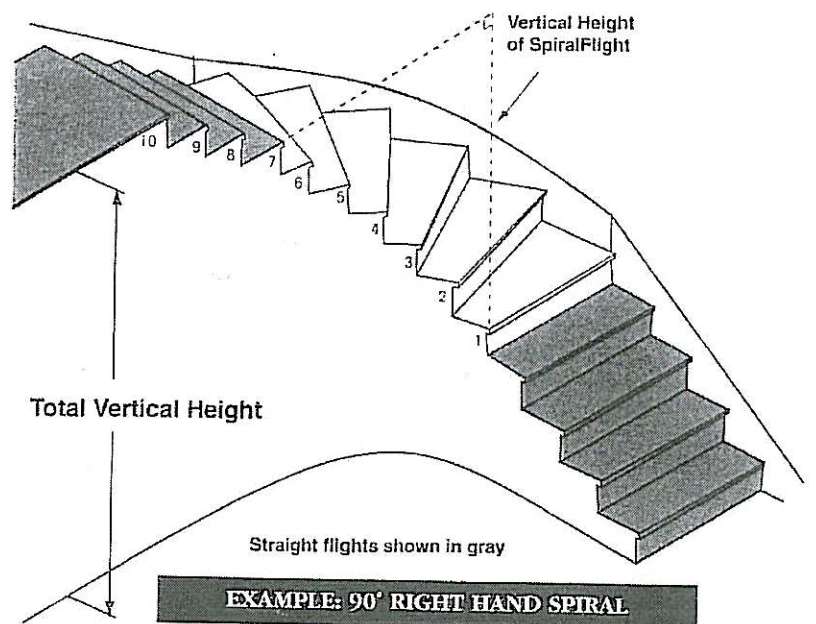
The first step of measuring the large radius spiral flight(S) is to measure the vertical height of each spiral flight.

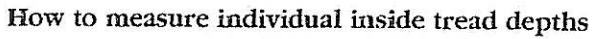
To do this, measure from the top tread in the flight to the tread of the flight below the spiral flight. Refer to the illustration on this page. Stair steps 1 through 6 make up the spiral flight in this example.

Note: For best fit

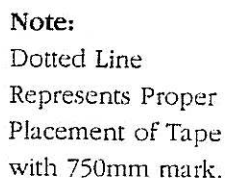
To achieve the "tightest" fit for the Stair-Glide rail, **it is best to take all measurements from the same location**, but if this is not possible, you must note when you have measured from a different location on the stairway such as baseboard, stringer, etc.

Note: A 90° Right Hand Spiral is used to provide a visual example of where to take the necessary measurements for a large radius spiral stairway. use the illustrations presented as guides only. Your stairway may vary significantly from the presented example.

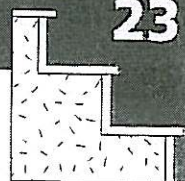




Using the framing square, measure the individual inside tread depths horizontally from the 750mm mark to the 750mm mark of the next tread nose. Remember: do not measure under the nose of the next tread and do not measure diagonally from tape mark to tape mark.

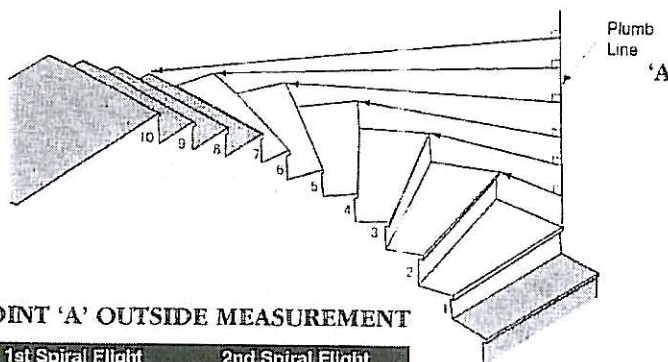
[illegible]

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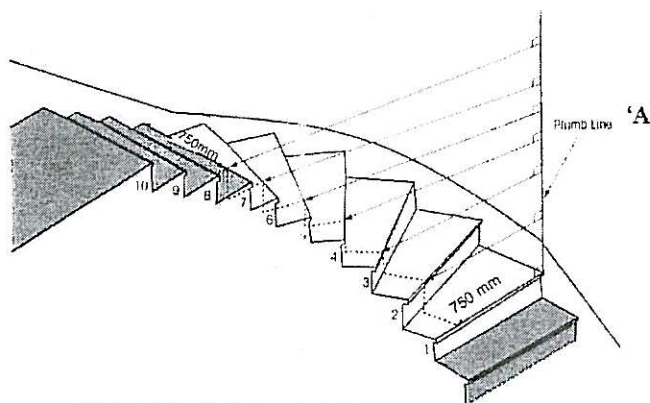


Note: In some cases such as in a 180° spiral, it is impossible to measure to each tread nose from only one plumb line. In a situation such as this, a second plumb line will have to be set up above the next to last tread nose that was measured to. Remember to include the position of each plumb line on your stairway sketch.

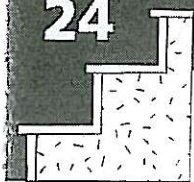
Measure horizontally from the plumb line to the outside edge of each tread nose. use a line level or framing square to make sure measurements are horizontal. Record the measurements on the Measurement Sheet-Order Form chart.

[illegible]

Measure horizontally from the plumb line to the 750mm mark on each inside tread nose. Use a line level or framing square to make sure measurements are horizontal. Record the measurements on the Measurement Sheet-Order Form chart.



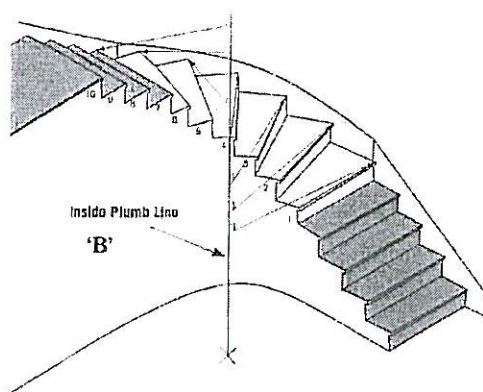
INSIDE MEASUREMENT



Drop a vertical plumb line anywhere in the open part of the stairwell and secure it to the floor. (Sometimes a hanging chandelier offers a point of attachment). This will be the inside plumb line.

Measuring to the Outside Tread

1) Measure horizontally from the inside plumb line to each outside step nose. Use a line level or framing square to make sure your measurements are horizontal. Record the measurement on the measurement Sheet-Order Form chart.



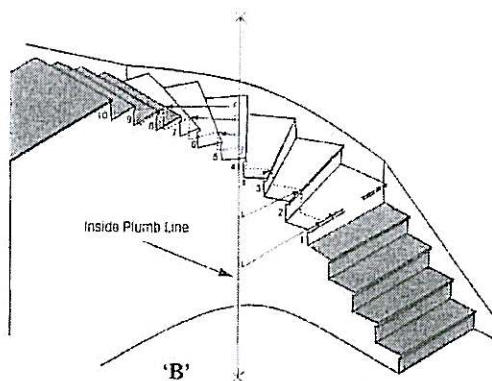
INSIDE PLUMB LINE TO INSIDE TREAD

INSIDE PLUMB LINE TO OUTSIDE TREAD

Measuring to the inside 750mm mark

Measure horizontally from the inside reference line to the inside 750mm tape mark on each tread nose. Use a line level or framing square to make sure your measurements are horizontal. Record the measurement on the Measurement Sheet-Order Form chart.

POINT 'B' MEASUREMENT

[illegible]

INSIDE PLUMB LINE TO INSIDE TREAD