Choosing the Right Hinge and the Right Number of Hinges

View SOSS Hinge Calculator

For your convenience, an interactive, easy to use hinge sizing calculator is available on our website, www.soss.com.

If the information you need is not on the online calculator or this chart, consult the factory.

To obtain the best performance from SOSS Invisible Hinges, it is recommended that the largest hinge model be used for the material thickness of the door.

Every door should be provided with at least one hinge for every 30 inches in height or portion thereof; however, more hinges may be required per chart below.

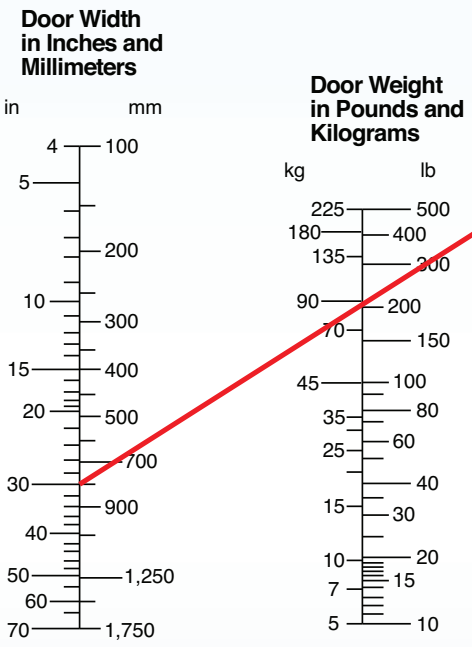
For example, a 90" door needs three hinges and a 91" door needs four.

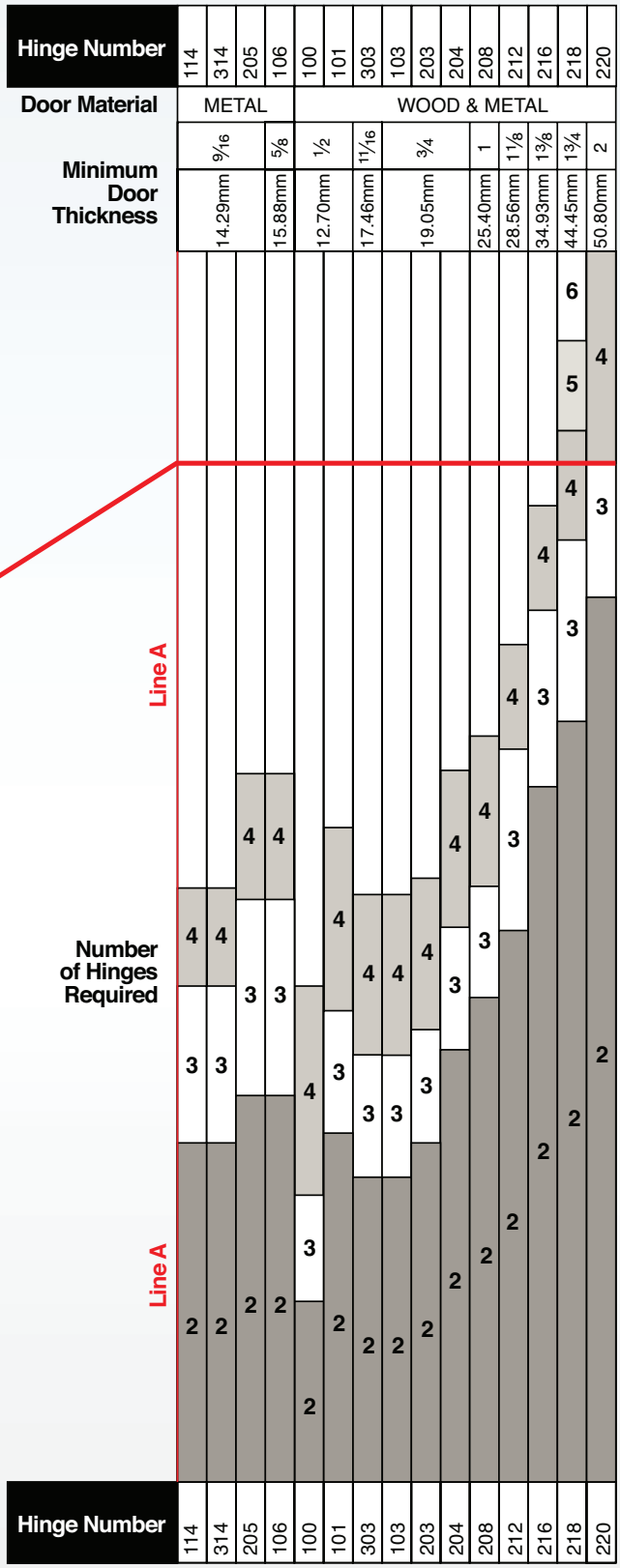
DIRECTIONS

After determining the weight and width of the door, draw a straight line through the door width and weight to line "A", as indicated in the example.

Continue with a horizontal line sideways from the point of intersection with line "A" until the door thickness is reached. Use the number of hinges and the model number indicated on this line.

To use this chart as a working guide, we suggest that you photocopy this page.





NOTE: For Fire-Rated Hinges, use formulas described on page 49.

EXAMPLE

A wood door 30" wide, 200 lbs., with a thickness of 1¾" will require four #218 SOSS Invisible Hinges. The red line shows how the sizing and selection were determined from the hinge sizing chart.

The hinge sizing chart above has been developed to assist you in determining the correct size and number of hinges for your installation.

NOTE: For doors that exceed size/weight on this chart, consider using our new Hercules hinges shown on page 42.