Choosing the Right Hinge and the Right Number of Hinges

The nomograph below has been developed to assist you in determining the correct size and number of hinges for your installation.

If the information you need is not on the chart, consult the factory.

The general rule used to determine the number of hinges is:

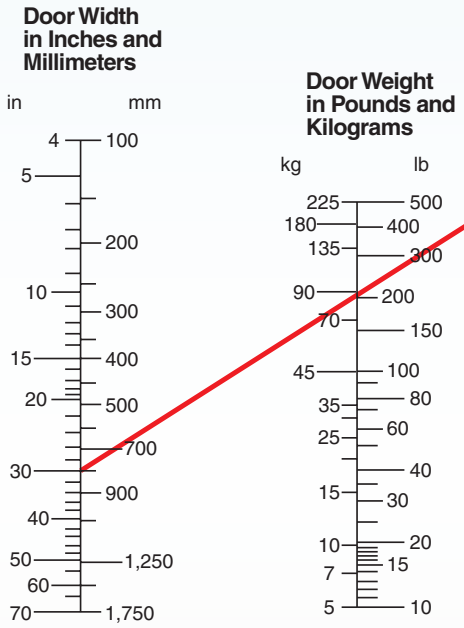
Every door should be provided with at least one hinge for every 30 inches in height or portion thereof; however, more hinges may be required per chart below.

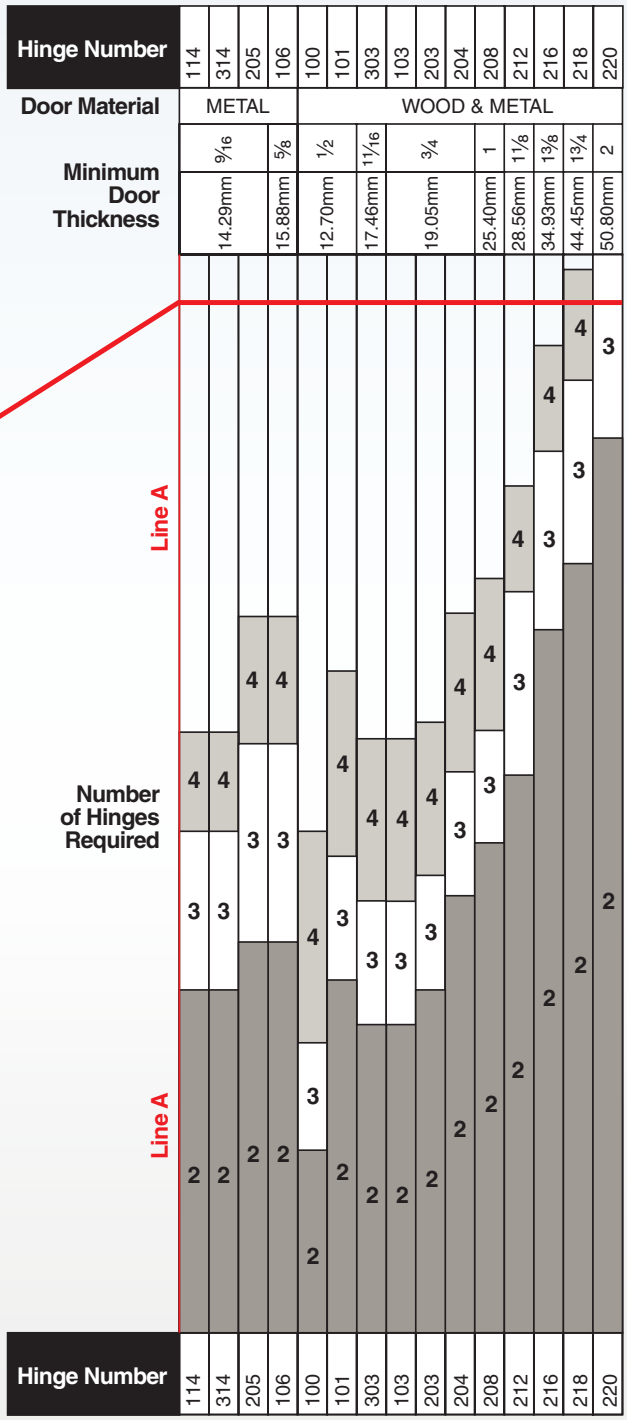
For example, a 90" door needs three hinges and a 91" door needs four.

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 38.

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 nomograph.

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