

Choosing the Right Hinge for the Job

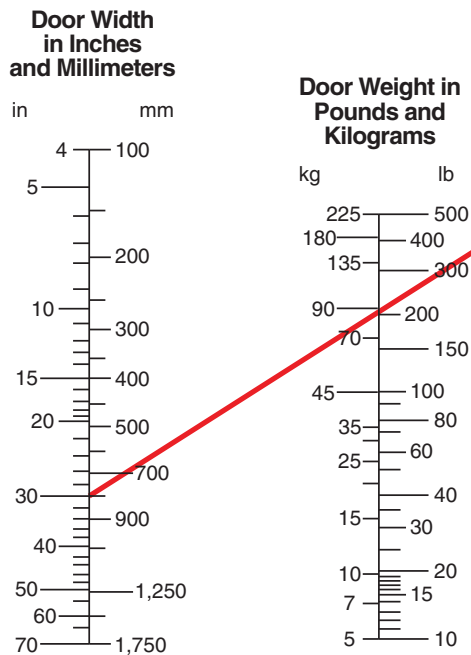
The nomograph below has been developed to assist you in determining the correct size and number of hinges for your installation.

If the information you need is off 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 **thirty 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.



Note: For #418 and #420 hinge, use formula described on page 7.

Example

A wood door 30" wide, 200 lbs., with a thickness of 1³/₄" 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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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.

Hinge Number	Door Material		Minimum Door Thickness	Number of Hinges Required
	METAL	WOOD & METAL		
114	14.29mm	1	2	2
314	14.29mm	1	2	2
205	15.88mm	1-1/8	2	2
106	15.88mm	1-3/8	2	2
100	12.70mm	1-3/4	2	2
101	12.70mm	2	2	2
303	17.46mm	1-1/16	3	2
103	17.46mm	1-1/16	3	2
203	19.05mm	3/4	3	2
204	19.05mm	3/4	3	2
208	25.40mm	1	3	2
212	26.56mm	1-1/8	3	2
216	34.93mm	1-3/8	3	2
218	44.45mm	1-3/4	3	2
220	50.80mm	2	3	2