

Choosing the Right Hinge for the Job

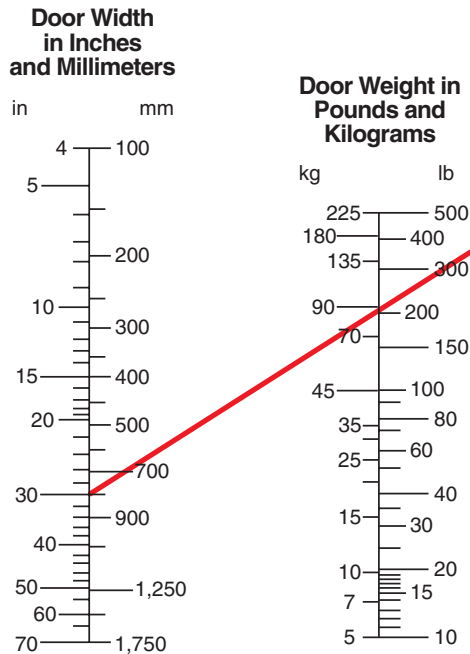
The nomograph below has been developed to assist you in determining the correct size and number of hinges for your installation.

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.

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

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										
	METAL					WOOD & METAL					
	9/16	5/8	1/2	11/16	3/4	1	1-1/8	1-3/8	1-3/4	2	
Minimum Door Thickness											
	14.29mm	15.88mm	12.70mm	17.46mm	19.05mm	25.40mm	28.56mm	34.93mm	44.45mm	50.80mm	
114											
314											
205											
106											
100											
101											
303											
103											
203											
204											
208											
212											
216											
218											
220											