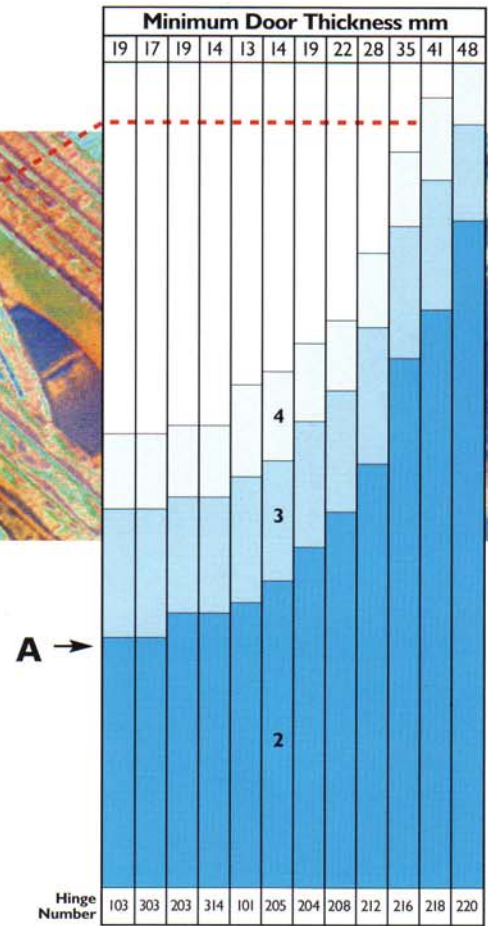
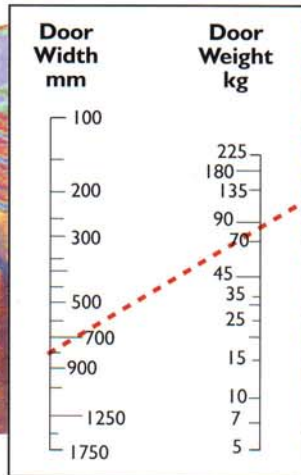


Specifiers Guide

When it comes to selecting your SOSS hinges, the simple table below has been developed to give you a quick reference to the correct style and size you will require.

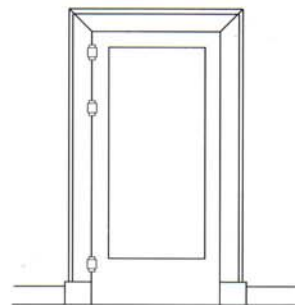


Choosing the right SOSS Hinge for the job

1. Firstly determine the width, thickness and weight of the door. (If in doubt about the weight, consult the manufacturer or retailer.)
2. Then draw a straight line on the chart, starting on the left hand side at the appropriate point on the Door Width column and running through the correct point on the Door Weight column to end at line A.
3. At the point where your line meets line A, draw a horizontal line across the chart to the column which indicates the correct thickness of your door.
4. Looking down the column, you will then see the number of hinges you require and, at the foot of the column, the relevant hinge number.

In line with British Standard BS4787, three hinges per door should be used, which will minimise any tendency toward warping.

Where additional weight may necessitate a fourth hinge, this would best be spaced above the centre line of the door.



ADJUSTED DOOR WEIGHT CALCULATION TABLE			
Actual Door Weight	Doors of excess width, please refer to Side Loading Calculation table		= Adjusted Door Weight
	Door Closer	+ 20%	
	Door Closer (Backcheck)	+ 75%	
	Extra Heavy Use	+ 10%	
	Light Use	- 10%	

SIDE LOADING CALCULATIONS			
DOOR SIZE		FACTOR	NORMAL INCREASE OF MASS OF DOOR LEAF %
DOOR HEIGHT mm	DOOR WIDTH mm		
2000	1000	2	0
2000	1050	1.9	10
2000	1100	1.82	18
2000	1150	1.74	26
2000	1200	1.66	33
2000	1250	1.6	40

Calculating for doors with excess widths

Wider doors increase the forces acting upon the hinges and therefore an allowance should be made in the reduction of the maximum mass of doors able to be supported by each type of hinge.

In order to calculate the adjusted door mass, the door height should be divided by the door width. Where the result is a factor of 2 or greater no further allowance has to be made. When the result is a factor of less than 2 a percentage adjustment should be made as per the following side loading calculation table.

For further details on the above please contact your stocklist or the manufacturers direct.