

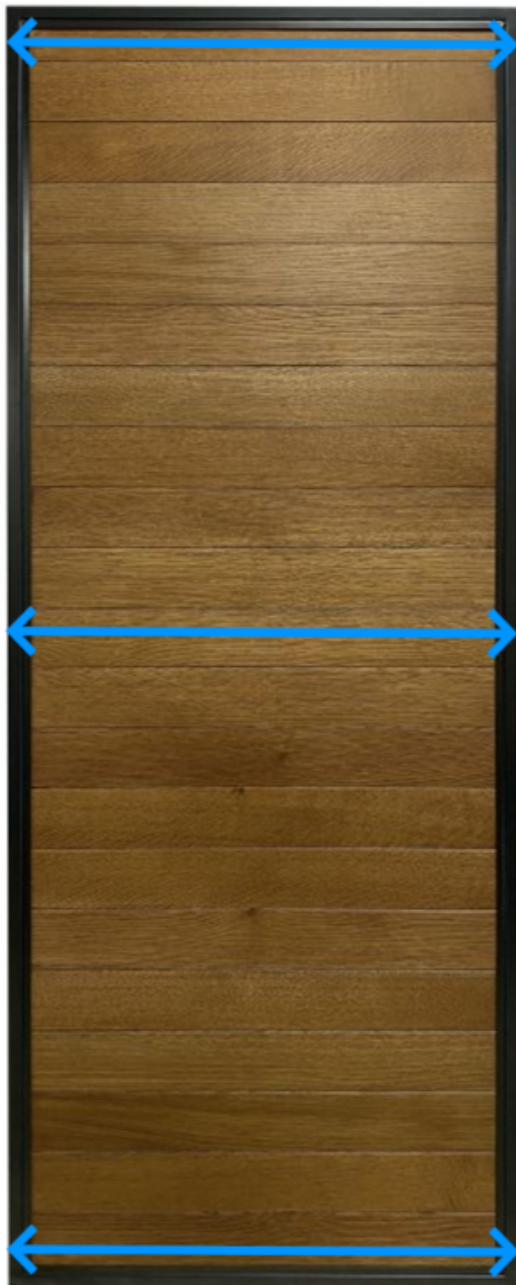
# How To Determine If Your Door Is Out Of Square

This Information Is Needed For A Warranty Claim

Thank you for your recent door purchase. This document is prepared for you to help you understand what measurements are needed to verify if a door is “out of square” for a warranty claim. This measurement system applies to all doors regardless of material, style or function.

“Out of Square” is defined as more than  $\frac{1}{4}$  inch difference over an 8 foot length. Please follow these instructions and document the measurements in the space provided.

#1 Please measure the width at the top, middle and bottom of the door:



Top Measurement \_\_\_\_\_

Middle Measurement \_\_\_\_\_

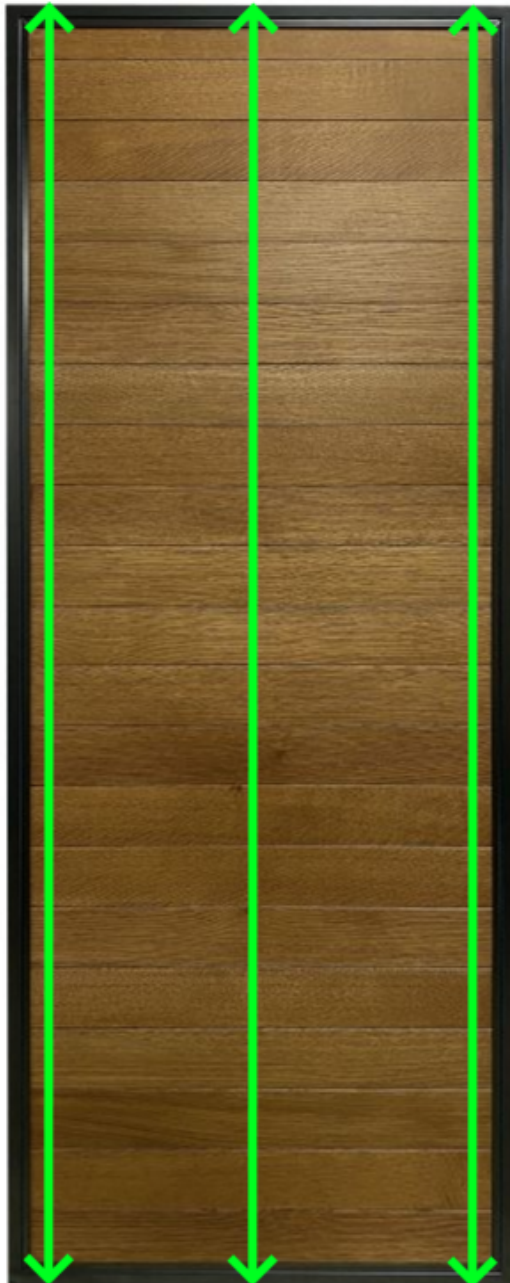
Bottom Measurement \_\_\_\_\_

Using inches measurements in decimals, identify the greatest difference between the 3 measurements above: (A) \_\_\_\_\_. Divide that measurement by the smallest of the 3 width measurements:(B) \_\_\_\_\_. If the (A) divided by (B) \_\_\_\_\_ is equal to or less than .0026 then your door is within acceptable tolerances for width. If A divided by B is greater than .0025 then your door is outside of acceptable tolerances.

Here is a chart using inch measurements in fractions:

Smallest Width Measurement	Greatest acceptable difference between the width measurements to be within tolerance
4ft	$\frac{1}{8}$
3ft6in	$\frac{7}{64}$
3ft	$\frac{3}{32}$
2ft6in	$\frac{5}{64}$
2ft	$\frac{1}{16}$

#2 Please measure the width at the top, middle and bottom of the door:



Left Measurement \_\_\_\_\_  
 Center Measurement \_\_\_\_\_  
 Right Measurement \_\_\_\_\_

Using inches measurements in decimals, identify the greatest difference between the 3 measurements above: (A) \_\_\_\_\_. Divide that measurement by the smallest of the 3 height measurements:(B) \_\_\_\_\_. If the A divided by B \_\_\_\_\_ is equal to or less than .0026 then your door is within acceptable tolerances for width. If (A) divided by (B) is greater than .0025 then your door is outside of acceptable tolerances.

Here is a chart using inch measurements in fractions:

Smallest Height Measurement	Greatest acceptable difference between the height measurements to be within tolerance
10ft	5/8
9ft6in	19/64
9ft	9/32
8ft6	17/64
8ft	1/4
7ft6in	15/64
7ft	7/32
6ft6in	13/64

#3 Please measure the width at the top, middle and bottom of the door:



Upper Left to Lower Right \_\_\_\_\_

Upper Right to Lower Left \_\_\_\_\_

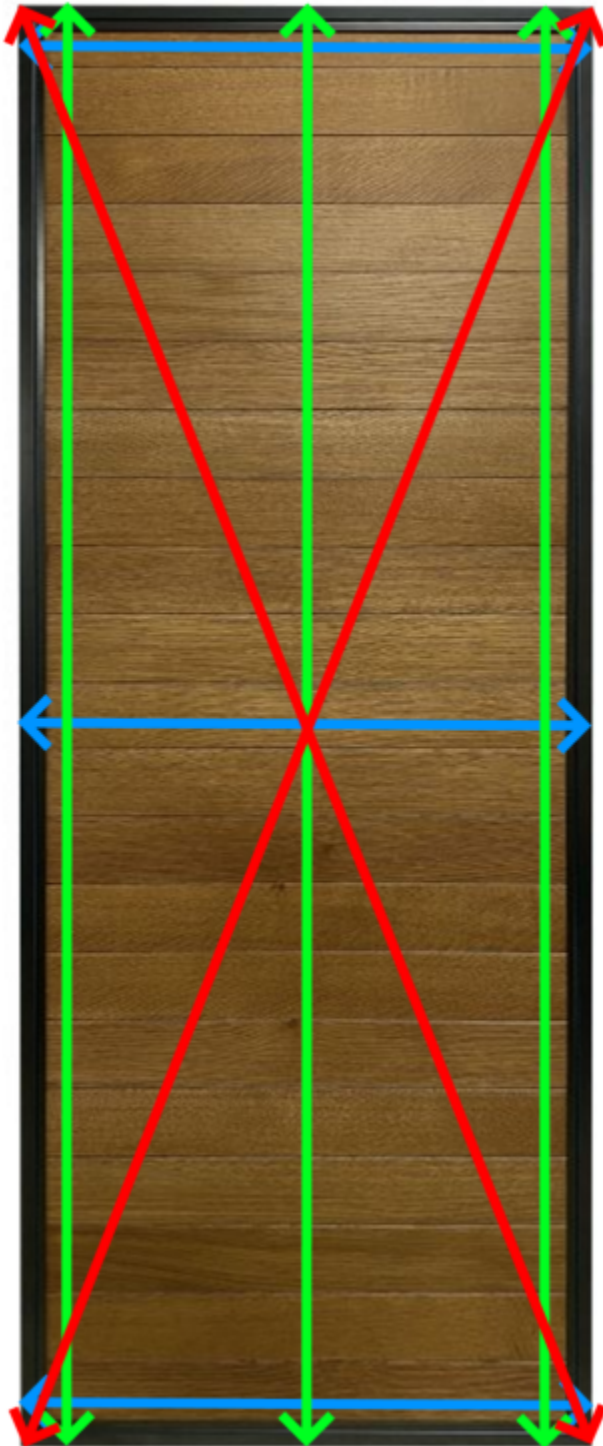
Using inches measurements in decimals, identify the greatest difference between the 2 measurements above: (A) \_\_\_\_\_. Because this is a cross measurement, divide measurement (A) by 2: (B) \_\_\_\_\_. Divide this new measurement (B) by the shortest of the 2 cross measurements:(C) \_\_\_\_\_. If the (B) divided by (C) \_\_\_\_\_ is equal to or less than .0026 then your door is within acceptable tolerances for width. If (B) divided by (C) is greater than .0025 then your door is outside of acceptable tolerances.

Here is a chart using inch measurements in fractions:

Shortest Cross Measurement	Greatest acceptable difference between the cross measurements divided by 2 to be within tolerance
12ft	3/4
11ft6	23/64
11ft	11/32
10ft6in	21/64
10ft	5/8
9ft6in	19/64
9ft	9/32
8ft6	17/64
8ft	1/4
7ft6in	15/64
7ft	7/32
6ft6in	13/64

If you need assistance with all of this calculation we are here to help. Please collect all the measurements indicated above on this last page and we will help you with the calculations.

Using the image below please collect all the measurements requested and record them in the spaces provided.



Width Measurements (Blue Arrows)

Top \_\_\_\_\_

Middle \_\_\_\_\_

Bottom \_\_\_\_\_

Height Measurements (Green Arrows)

Left \_\_\_\_\_

Center \_\_\_\_\_

Right \_\_\_\_\_

Cross Measurements (Red Arrows)

Upper Left to Lower Right \_\_\_\_\_

Upper Right to Lower Left \_\_\_\_\_