

Manufacturing Tolerances Standard Steel Doors and Frames



STEEL DOOR INSTITUTE

30200 DETROIT ROAD - CLEVELAND, OHIO 44145

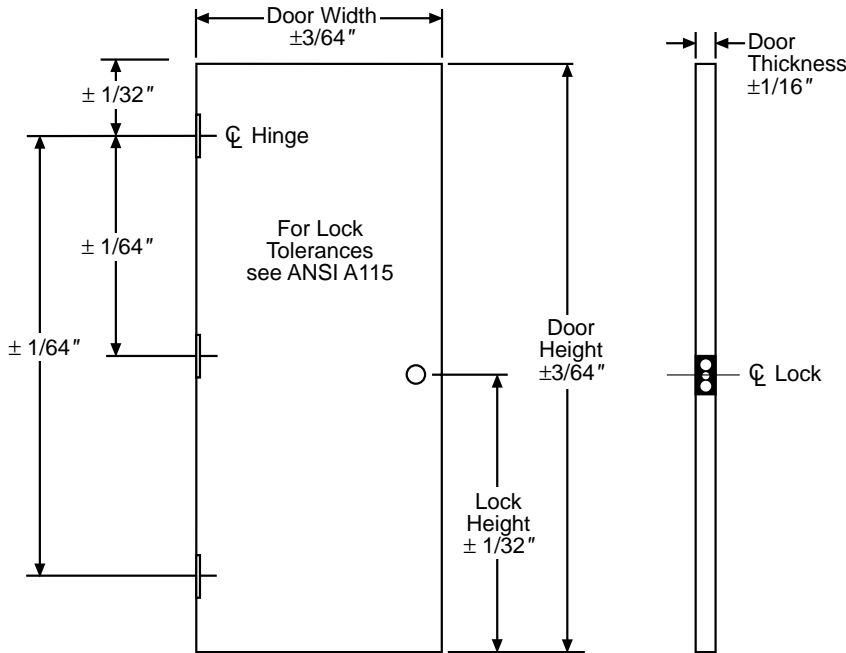
Manufacturing Tolerances Standard Steel Doors and Frames

Introduction

It is the intent of this publication to furnish users and prospective users of standard steel doors and frames with practical information regarding manufacturing tolerances.

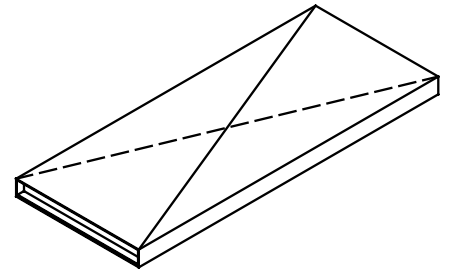
The information contained herein pertains to doors and frames manufactured in accordance with ANSI A250.8, "Recommended Specifications for Standard Steel Doors and Frames," published by the Steel Door Institute. It is not intended to have reference to special or unusual door and frame conditions.

Doors

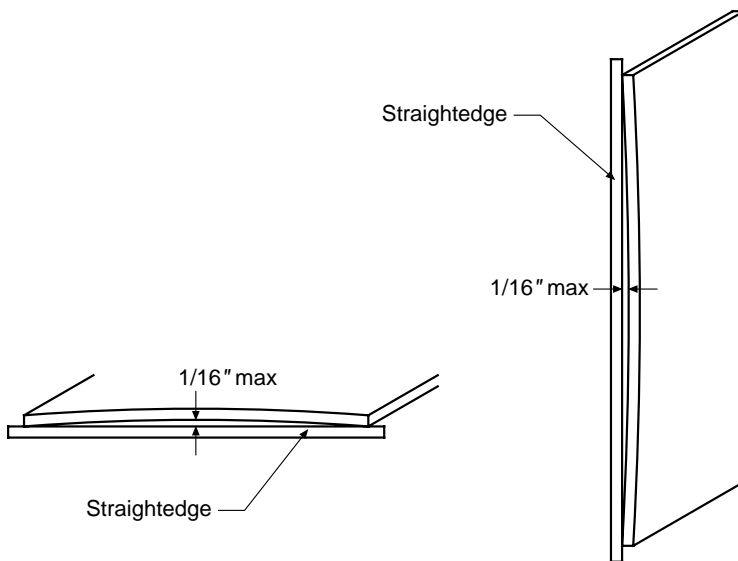


Squareness

Measured diagonally from corner to corner across the face of the door. The diagonal measurements shall be within 1/16" of each other.

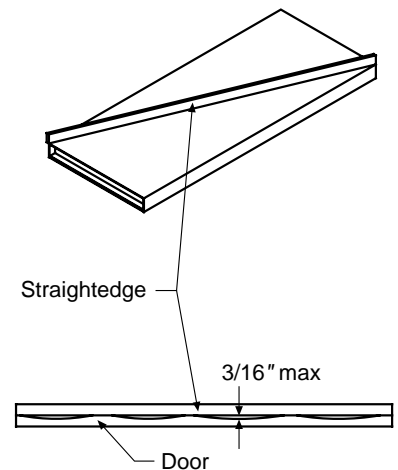


Flatness



Measure top and bottom of door on both faces.

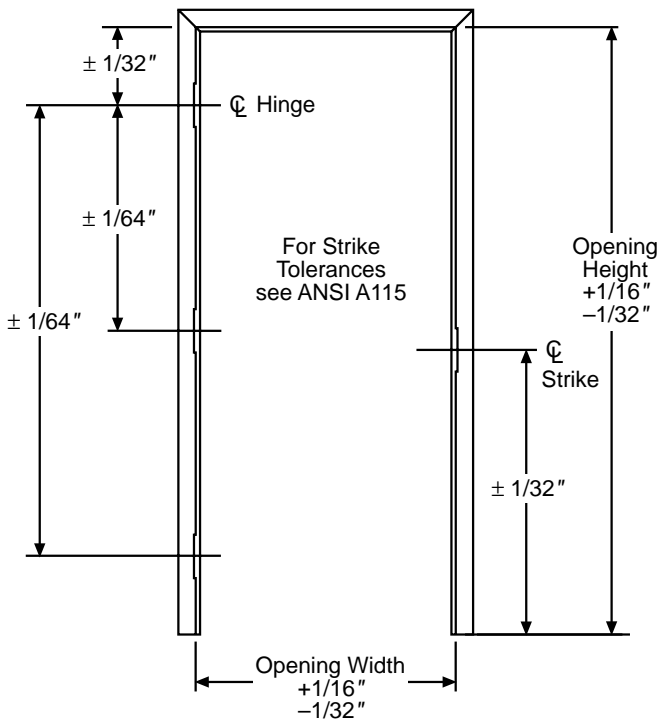
Measure both hinge and lock edges on both faces.



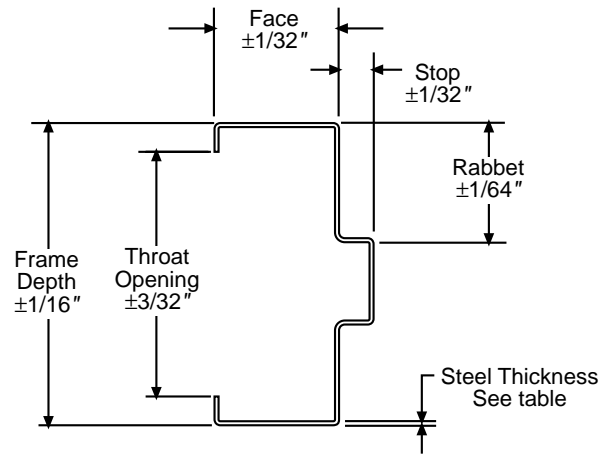
Measure corner to corner on both faces of door.

Frames

Opening Tolerances

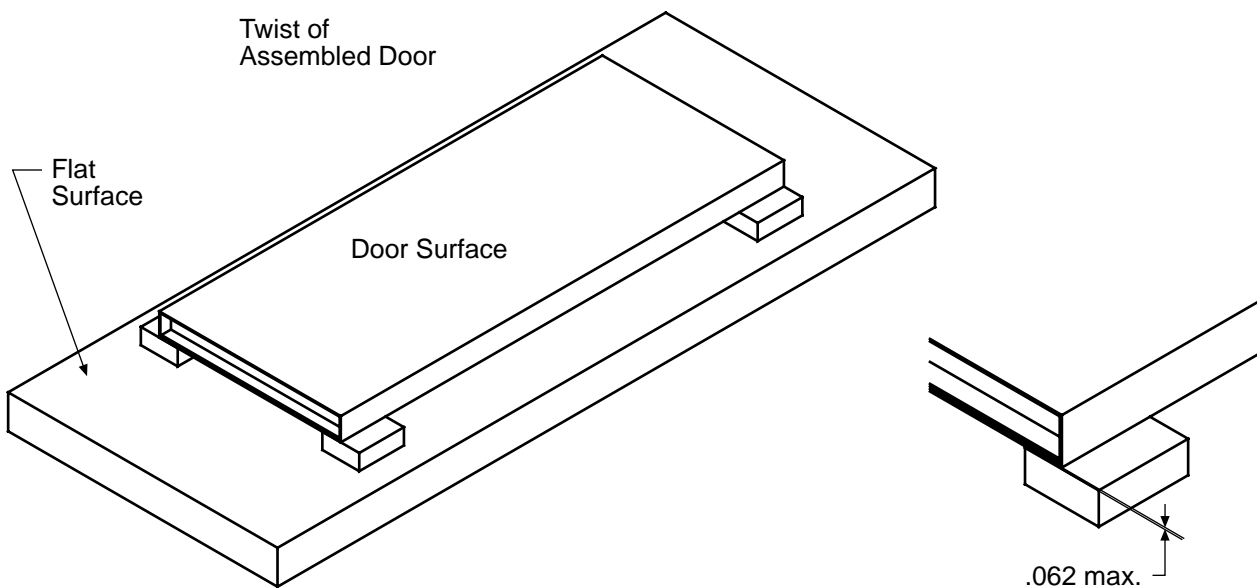


Profile Tolerances



Steel Thickness	
Gauge	Minimum Thickness
20 Gauge	.032 Min.
18 Gauge	.042 Min.
16 Gauge	.053 Min.
14 Gauge	.067 Min.
12 Gauge	.093 Min.

Door Twist



Notes: With the door supported on at least three corners, measure any gap at the remaining corner as shown.