



DETERMINING HINGE HEIGHT

To determine the correct hinge height, it is necessary to know the door's width, height, thickness, weight and frequency of use. The following chart lists some examples of hinge height as it relates to the door thickness and width.

NOTE: Heavy doors and doors expected to receive high frequency service should be specified with heavy weight hinges.

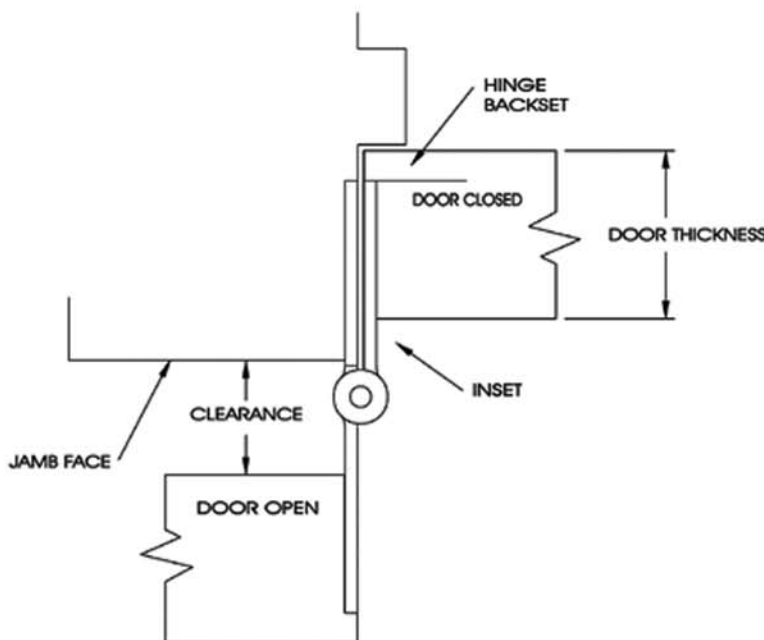
Thickness of Door	Width of Door	Hinge Height
1.375" (1 3/8")	to 32"	3.5" (3 1/2")
1.375" (1 3/8")	32" to 36"	4"
1.750" (1 3/4")	to 36"	4.5" (4 1/2")
1.750" (1 3/4")	36" to 48"	5"
1.750" (1 3/4")	over 48"	6"
1.750" (1 3/4")	to 42"	5" Heavy Weight

NOTE: A good way to determine the number of hinges necessary is to follow this guideline (from NFPA 80, Table 2-8A): "Doors up to 60" in height shall be provided with two hinges, and an additional hinge for each 30 inches of height or fraction thereof."

Doors which are unusually wide (over 37") and heavy and those receiving high frequency use may require additional hinges.

DETERMINING HINGE WIDTH

To determine the correct hinge width, it is necessary to know the door thickness, hinge backset (distance from back end of hinge to edge of inside door surface) and clearance required (necessary distance between the jamb face and door when opened, including trim).



Doors up to 2.25" have .250" backset

Doors over 2.25" have .375" backset

NOTE: When the width of a hinge is greater than the height, it is termed a "Wide Throw" hinge. This hinge is used when additional clearance (throw) is necessary to clear trim or wall conditions.