



1150

Description:

Full Mortise Hinges > Spring > Single Acting

Application:

For automatic closing. Meets codes for hotels, motels, institutions, and commercial buildings.

Maximum Door Sizes: As set forth in NFPA 80-2007, Section 6.4.3.1, unless specified in individual manufacturers published listings, the maximum labeled fire door size allowed for use with labeled self-closing spring hinges is 3"x7". For 1-3/4" thick doors, the minimum hinge height is 4". Where spring hinges are used on labeled fire doors, at least two shall be provided. All hinges or pivots used other than spring hinges shall be of the ball bearing type. The 1150 Series hinges in sizes 4-1/2"x4" and 4-1/2"x4-1/2" are approved for use on 4"x8" labeled doors when a minimum of three (3) springs are used. For doors up to 60" in height, two hinges are required. An additional hinge is required for each additional 30" of height or fraction thereof. See charts below for additional information.



- Material** - Stainless Steel w/ Stainless Steel components
ANSI K51071F
- Sizes** - 4 1/2" x 4" (114 x 102 mm)
- 4 1/2" x 4 1/2" (114 x 114 mm)
- Additional Notes** - 1. For maximum versatility use all spring hinges or a combination of spring hinges and ball bearing hinges. Do NOT use plain bearing hinges.
2. Full spring tension may not be required on all hinges.
3. Strong wind conditions, drafts, carpeting drag,

Hinge Size (inches)	Hinge Size (mm)	Gauge of Metal	Hole Count	Screw Size (Machine)	Screw Size (Wood)
4-1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 4-1/2	114 x 114	0.134	8	1/2 x 12-24	1-1/4 x 12

Series 1 3/4" (45mm) Door	Size	Rcm Max Door wt. (lbs)	Spring Hinge	Ball Bearing Hinge
1150	4 1/2 x 4 & 4 1/2 x 4 1/2	70	1	2
1150	4 1/2 x 4 & 4 1/2 x 4 1/2	115	2	1
1150	4 1/2 x 4 & 4 1/2 x 4 1/2	150	3	---
1250	4 1/2 x 4 & 4 1/2 x 4 1/2	70	1	2

1250	4 1/2 x 4 & 4 1/2 x 4 1/2	115	2	1
1250	4 1/2 x 4 & 4 1/2 x 4 1/2	150	3	---
1256	4 1/2 x 4 1/2	115	2	1
1255	4 1/2 x 4 1/2	115	2	1