



HAGER SPRING HINGES

1150, 1250, & 1750 Series

Installation Instructions

NOTE:

All steps must be followed to ensure that the Hager Spring Hinge will function as designed.

DOOR INSTALLATION

- 1) Install spring hinge to door and frame at center and bottom hinge locations. Then, install ball bearing hinges in conjunction with 1150/1250 Series or greased Butt hinges in conjunction with 1750 Series. Check for proper door clearance. There should be at least 1/4" clearance at the bottom of the door for vacuum relief.
- 2) Open the door by hand to 90° angle, and push it closed. If the door latches, the hinges are ready to receive tension. If there is any resistance and the door does not latch, this indicates that the door is either out of balance or misaligned. This condition will have to be corrected before tension can be applied to the spring hinges.
- 3) Door weight should not exceed the recommended requirements. This includes all hardware and veneer.

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FIGURE 1

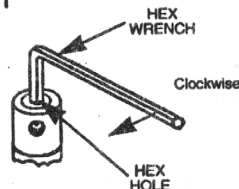
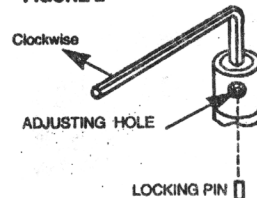


FIGURE 2



HAGER

1150, 1250, & 1750 SERIES

SPRING HINGE

Installation Instructions

CAUTION #1: Door should be in a closed position.

CAUTION #2: Do not adjust tension past (3) holes when a 180 degree opening is required. Do not adjust tension past (4) holes when a 90 degree opening is required.

CAUTION #3: Use proper safety protection while installing the Hager Spring Hinge.

CAUTION #4: On 3 1/2" x 3 1/2" 1150/1250 Series - Maintain Mortise Depth at .119".

CAUTION #5: Do not force.

1750 SERIES

SIZE	RECOMMENDED MAX. DOOR WEIGHT (LBS.)	BEARING HINGE	SPRING HINGE LOCATION
3 1/2 x 3 1/2 4 x 4	45	2	1 CENTER
	70	1	2 CENTER/BOTTOM
	90	-	3 ALL

1150/1250 SERIES

SIZE	RECOMMENDED MAX. DOOR WEIGHT (LBS.)	BEARING HINGE	SPRING HINGE LOCATION
3 1/2 x 3 1/2 4 x 4	60	2	1 CENTER
	85	1	2 CENTER/BOTTOM
	110	-	3 ALL
4 1/2 x 4 4 1/2 x 4 1/2	70	2	1 CENTER
	115	1	2 CENTER/BOTTOM
	150	-	3 ALL

- 1) Install spring hinge in normal manner and oriented for right hand or left hand door.
- 2) Place door in closed position.
- 3) Insert Hex Wrench in Hex Hole (Figure #1).
- 4) Rotate Hex Wrench clockwise (while viewing from the adjustment end of hinge) to increase tension (figure #2), and insert locking pin loosely in adjusting hole.
- 5) Release Hex Wrench until locking pin contacts side of adjusting hole.
- 6) Remove Hex Wrench and check the door closing force.
- 7) If closing force is not satisfactory, repeat steps 2 thru 6.