



47518720

3SP1 Spring Hinge

IVES

Installation Instructions

General Notes

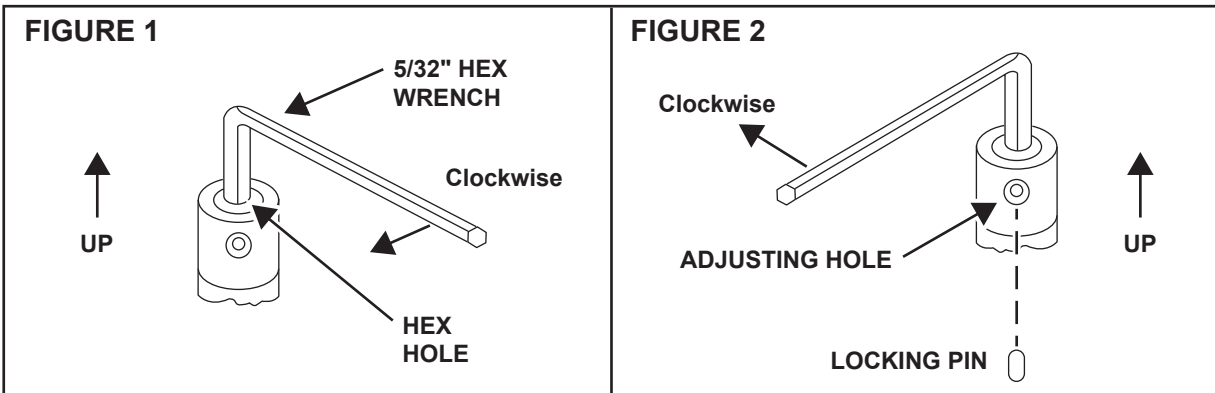
NFPA-80 stipulates that minimum two spring hinges be used on Fire Rated doors.

Selection of size and number of spring hinges shall be based on the spring capacity, the door size and door weight.

The spring hinges should be used alone or in combination with antifriction template butt hinges of the same size and swage.

Wind conditions, excessive air pressure on one side of opening, weather stripping, or other adverse conditions may require the uses of all spring hinges.

Installation Instructions



1. Install spring hinge in normal manner with the adjustment end up.
2. Place door in closed position.
3. Insert hex wrench in hex hole (Figure 1).
4. Rotate hex wrench clockwise and insert locking pin loosely in adjusting hole (Figure 2).
5. Do not adjust tension past (3) holes when a 180 degree is required.
Do not adjust tension past (4) holes when a 90 degree opening is required.
6. Release hex wrench until locking pin contacts side of adjusting hole.
7. Remove hex wrench and check the door closing force.
8. If closing force is not satisfactory, repeat steps 2 through 7.
9. For longer spring operating life, adjust spring tension to minimum tension required to close the door.

- ① Use proper safety protection while installing the spring hinge.
- ① Door should be in a closed position.
- ① Always rotate the hex wrench in a clockwise direction, regardless of right or left hand application.
- ① Leave 1/4" (6 mm) clearance at door bottom for vacuum relief.

HINGE SELECTION GUIDE

Door Size and Weight	Number of Spring Hinges	Number of Anti-Friction Template Butt Hinges	Spring Hinge Location
Door up to 70 lbs (32 kg) and not exceeding 1-3/4" (44 mm) thickness, 36" (914 mm) width and 84" (2134 mm) height	1	2	Center
Door up to 90 lbs (41 kg) and not exceeding 1-3/4" (44 mm) thickness, 36" (914 mm) width and 84" (2134 mm) height	2	1	Center & Bottom
Door up to 120 lbs (54 kg) and not exceeding 1-3/4" (44 mm) thickness, 36" (914 mm) width and 84" (2134 mm) height	3	0	All

Customer Service

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