



MAXIMUM RECOMMENDED DOOR SIZE 3'-0" WIDE x 7'-0" HEIGHT				
MAXIMUM RECOMMENDED DOOR WEIGHT (LBS)			HINGE SELECTIONS	
3.5" x 3.5"	4" x 4"	4.5" x 4.5"	Spring Hinges	Butt Hinges
50	60	70	1 EACH	2 EACH
70	85	115	2 EACH	1 EACH
90	110	150	3 EACH	NONE

NOTES:

1. Wind Condition, excessive air pressure on one side of the opening, weather stripping, for other adverse job conditions may require the use of all spring hinges.
2. For Maximum versatility, use all spring hinges.

## INSTALLATION AND ADJUSTMENT INSTRUCTIONS

### ■ INCLUDED IN BOX:

Spring Hinge, tension hex wrench, straight wrench, locking pin, steel screws

### ■ POSITION:

On a door with three hinges, install regular bearing hinge at top, and spring hinges at center and bottom positions.

### ■ PREPARATION:

Install spring hinges in normal manner with the tension adjustment end up. Open the door to 90 degrees angle, and push it closed. When door latches, the hinges are ready for tension. If there is any resistance that stops the door from latching, the door could be misaligned or out of balance. This situation has to be corrected before tension can be applied to spring hinges. There should be at least 1/4" clearance at the bottom of the door for vacuum relief.

### ■ ADJUSTMENT:

1. Place door in the closed position.
2. Put on proper safety protection to protect your eyes and hands.
3. Insert tension hex wrench in the hole on top of the barrel (adjusting location) or insert straight wrench in the right-most adjusting hole.
4. Rotate wrench clockwise. Caution: Do not exceed two (2) holes tension for 180 degrees door opening, or three (3) holes tension for 90 degrees door opening.
5. Insert locking pin loosely in a adjusting hole.
6. Release tension wrench until locking pin contacts side of adjusting hole.
7. Remove tension wrench and check the door for closing force. If closing force is not the desired, repeat steps 3 through 6.

