



USE CAUTION AND PROPER SAFETY PROTECTION

**1. HINGE INSTALLATION:**

Install Hinge in normal manner with tension adjustment up as shown.

**2. ADJUSTMENT OF SPRING TENSION:**

- 1) Make sure the door is in the closed position.
  - 2) Insert (TAR) in the adjustment hole to the far right as shown above in figure AA.
  - 3) Rotate (TAR) to the left and insert (TSP) in the hole as shown above in figure BB.
  - 4) Release (TAR) until (TSP) contacts right side of adjustment holes slot.
  - 5) Remove (TAR) and test door for closing cycle and force.
  - 6) If door does not close repeat procedure until door closes.
  - 7) After final adjustment drive the (TSP) flush with hinge barrel.
- Note: See other side for recommended hinge size and number of hinges per door size and weight.

**MAXIMUM LABELED DOOR SIZE RECOMMEND 3'-0" WIDE x 7'-0" HIGH**

**SERIES**

**HINGE SELECTION**

**RECOMMENDED MAXIMUM DOORWEIGHT (LBS)**

**SPRING HINGES**

**BUTT HINGES**

3.5 x 3.5

4 x 4

4.5 x 4.5  
4.5 x 4

70

85

115

2 EACH

1 EACH

80

100

120

3 EACH

NONE

**NOTES:**

1. The information above is based on limits set by NFPA#80.
2. Two spring hinges is a minimum requirement on fire labeled doors as set by NFPA#80.
3. Weather stripping and air pressure caused by HVAC systems on one side of the door may require the use of maximum number of spring hinges.
4. Hex wrench or Tension adjustment rod can be used to adjust spring tension.