

175 mm

MAXIMUM LABELED LEAF SIZE RECOMMEND 3'-0" WIDE x 7'-0" HEIGHT				
SERIES			HINGE SELECTION	
RECOMMENDED MAXIMUM DOOR WEIGHT (LBS)/(KGS)			SPRING HINGES	BUTT HINGES
3.5x3.5	4 x4	4.5x4.5 4.5x4		
70/31.75	85/38.55	115/52.16	2 EACH	1 EACH
80/36.28	100/45.35	120/54.43	3 EACH	NONE

NOTES:

- The above information is based on limits set by NFPA#80.
- Two spring hinges are a minimum requirement on fire labeled leaf as set by NFPA#80.
- 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.
- Hex wrench or Tension adjustment rod can be used to adjust spring tension.
- Spring Hinges should be adjusted to achieve positive latching when allowed to close freely from an open position of 30 degrees

HEX WRENCH
ADJUSTMENT HOLES
TENSION ADJUSTMENT ROD (TAR)
INSTALLATION MANUAL
TENSION STOPPER PIN (TSP)
BB
AA

Do not exceed three (3) holes of tension for 180° door opening, or four (4) holes of tension for 90° opening.

CAUTION: Always rotate the tension adjustment rod or hex wrench clockwise regardless of Right or Left hand door applications.

USE CAUTION AND PROPER SAFETY PROTECTION

1. HINGE INSTALLATION:
Install hinge with adjustment head in the UP position as shown in AA and BB

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) clockwise 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.

115 mm