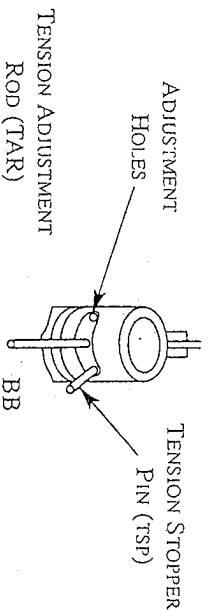


IMPORTANT: DO NOT EXCEED  
THREE HOLES OF TENSION FOR  
180° DOOR OPENING OR FOUR  
HOLES OF TENSION FOR 90°  
OPENING



CAUTION: ALWAYS ROTATE THE TAR TO THE  
LEFT REGARDLESS OF RIGHT OR LEFT HAND DOOR  
APPLICATIONS

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1. HINGE INSTALLATION:  
INSTALL THE HINGE REGULARLY WITH ADJUSTMENT HEAD IN THE UP POSITION.
  2. ADJUSTMENT OF SPRING TENSION
    - A. MAKE SURE THE DOOR IS IN THE CLOSED POSITION. B. INSERT (TAR) IN THE RIGHT HAND HOLE IN THE ADJUSTMENT HOLE AS SHOWN IN FIGURE AA. C. ROTATE (TAR) TO THE LEFT AND INSERT (TSP) IN THE HOLE AS SHOWN IN FIGURE BB. D. RELEASE (TAR) UNTIL (TSP) CONTACTS RIGHT HAND SIDE OF ADJUSTMENT HOLES. E. REMOVE (TAR) AND TEST DOOR FOR CLOSING CYCLE AND FORCE. F. IF DOOR DOESN'T CLOSE REPEAT PROCEDURE UNTIL DOOR CLOSURES. G. AFTER FINAL ADJUSTMENT DRIVE THE (TSP) FLUSH WITH HINGE BARREL.
- NOTE: SEE OTHER SIDE FOR RECOMMENDED HINGE SIZE FOR DOOR SIZES

**MAXIMUM LABELLED DOOR SIZE RECOMMEND 3'-0" WIDE X 7'-0" HIGH**

**SERIES**

**HINGE SELECTION**

Recommended Maximum Door Weight (LBS)	4.5 x 4.5	4.5 x 4	4.5 x 4	4.5 x 4.5
3.5 x 3.5	4 x 4	4 x 4	4.5 x 4	4.5 x 4.5
50	60	70	70	70
70	85	115	115	115
90	110	150	150	150

SPRING HINGES

BUT HINGES

2 EACH  
2 EACH  
3 EACH

1 EACH  
1 EACH  
NONE

**NOTES:**

- 1) THE INFORMATION ABOVE IS BASED ON LIMITS SET BY NPFA#80
- 2) TWO SPRING HINGES IS THE MINIMUM REQUIREMENT ON FIRE LABELLED DOORS BY NPFA#80
- 3) WEATHER STRIPPING, EXTREME WINDOW AIR PRESSURE ON ONE SIDE OF THE DOOR MAY REQUIRE THE USE OF MAXIMUM AMOUNT OF SPRING HINGES.
- 4) FOR BEST RESULTS USE ALL SPRING HINGES

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