

INSTALLATION

METRIC EQUIVALENTS									
INCHES	MM	INCHES	MM	INCHES	ММ	INCHES	ММ	INCHES	ММ
. 125	3,17	. 500	12,70	1	25,40	1.960	49,78	30	762,00
.218	5,54	.670	17,02	1.080	27,43	2.200	55,88	33.22	843,79
. 240	6,10	.687	17,45	1.187	30,15	3.600	91,44	36	914,40
. 250	6,35	. 750	19,05	1.340	34,04	3.718	94,43	39.22	996,19
. 375	9,52	.800	20,32	1.350	34,29	3.750	95,25	42	1066,80
.400	10,16	.900	22,86	1.375	34,93	18	457,20	45.22	1148,59
.455	11.56	.910	23,11	1.400	35,56	27.22	691.39	48	1219,20

**BACKSET** 

1.080"

DIM A

30"

27.22"

#10 X 1 1/4 PAN HEAD SELF-TAPPING SCREW (2 REG'D)

> #6-32 X 1/4 PAN HEAD MACH. SCREW

#10 X 1 1/4 PAN HEAD SELF-TAPPING SCREW

(2 REQ'D)

DOOR OPENING WIDTH

42"

39.22"

#10 X 1 1/4 PAN HEAD

SELF-TAPPING

#10 X 1/2 ROUND HEAD SELF-TAPPING SCREW FOR UPPER HOLE

#10 X 1 1/4 PAN HEAD SELF-TAPPING

(2 REQ'D)

SCREW FOR LOWER HOLE

6-32 X 1/4 SCREW

& LOCK WASHER

#6-32 X 1/4 PAN HEAD

MACH. SCREW

48"

45.22"

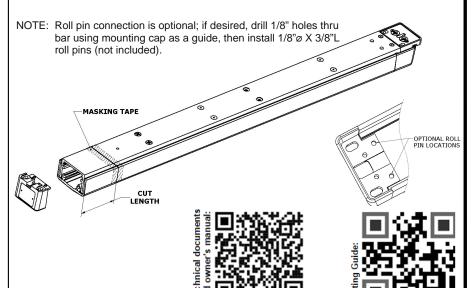
36"

33.22"

CUTOFF SUBTRACT CUTOFF AMOUNT FROM DIM A

Bar Cutoff Instruction:

- 1.Remove push bar.
- 2. Tap mounting cap off hinge end of bar using a mallet or punch.
- 3.Re-install push bar, collapse, and tape down in area of cut-off.
- 4.Mark cut length on tape, see cutting guide on website for calculation. 5.Saw off excess, remove tape and deburr.
- 6. Tap mounting cap into bar using a soft mallet to protect finish.
- 7.Continue to installation instructions.



## SEPARATING PUSH BAR AND MOUNTING BAR PROCEDURE

- 1. REMOVE BOTH END CAPS. THE RETAINER IS ATTACHED TO THE NOSE END CAP.
- 2. SLIDE PUSH BAR TOWARD HINGE SIDE OF DOOR.
- 3. CONTINUE TO SLIDE PUSH BAR PAST THE PIVOT PLATE THAT RIDES IN PUSH BAR TRACK.
- 4. SLIDE PUSH BAR IN OPPOSITE DIRECTION
  KEEPING PIVOT PLATE OUT OF TRACK UNTIL
  PUSH BAR IS FREE OF MOUNTING BAR.

  MOUNTING
  BAR

  PIVOT
  PLATE
  TRACK

  END CAP &
  RETAINER ASS' Y

## INSTALLING PUSH BAR TO MOUNTING BAR

1. WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO DOOR, FIND PIVOT PLATE STAKED INTO PUSH BAR. (THIS PLATE IS ON THE LATCH END OF ASSEMBLED UNIT). SLIDE THE PIVOT PLATE NEAREST HINGE INTO TRACK OF PUSH BAR UNTIL SECOND PIVOT PLATE IS EXPOSED. INSERT PIVOT PLATE INTO TRACK ON PUSH BAR AND SLIDE IN OPPOSITE DIRECTION UNTIL PUSH BAR AND MOUNTING BAR ALIGN.

PRODUCT MUST BE INSTALLED
ACCORDING TO ALL APPLICABLE
BUILDING AND LIFE SAFETY CODES



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NOTE: THESE DIMENSIONS AND TEMPLATES ASSUME A DOOR THICKNESS OF 1.75" WITH 1/8" WALL.

FOR DOORS OF OTHER THICKNESS, CONSULT FACTORY.

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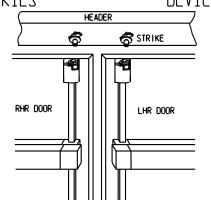
Rev. 9

8200 EXIT DEVICE FOR NARROW STILE GLASS DOOR

**INSTALLATION INSTRUCTIONS** 

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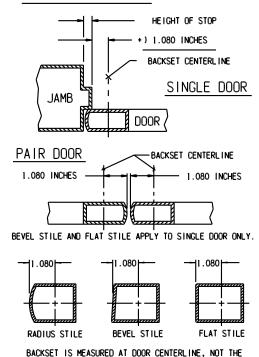


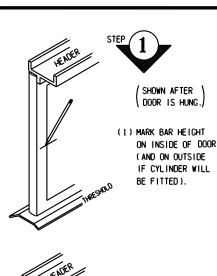
## IMPORTANT!

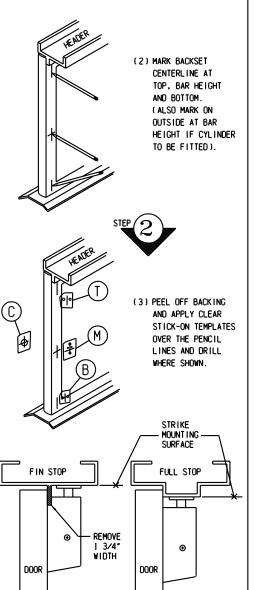
This device is unhanded. It can be installed in either left hand reverse or right hand reverse doors without alteration. The doors' lead stile and header preparation are IDENTICAL not mirror image. Note in the sketch above that the yoke type bolt always faces right (as viewed from inside) and the strike post is toward the right of the backset centerline for both doors.

 $\frac{\textit{NOTE}}{\textit{ACCOMPLISHED}} \quad \textit{STEPS I THRU 10 ARE MORE EASILY} \\ \frac{\textit{NOTE}}{\textit{ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.}}$ 

## HOW TO FIND BACKSET

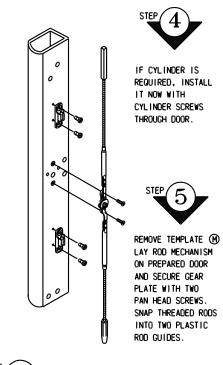








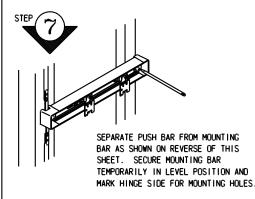
INSTALL 2 PLASTIC GUIDES ON BACKSET CENTERLINE; ONE HALFWAY FROM BAR HEIGHT TO TOP OF DOOR, ANOTHER HALFWAY TO BOTTOM OF DOOR. (USE ROD GUIDE AS TEMPLATE TO DRILL 0.156" DIA HOLES FOR SELF-TAPPING SCREWS).





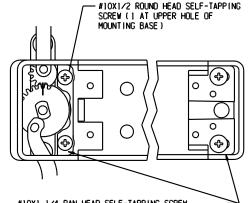
ADJUST RODS TO LENGTH:

WITH GEARS ALIGNED TO STAMPED MARKS (SEE FIGURE AT STEP 8), ADJUST TOP ROD TO LENGTH BY TURNING IT TO ALIGN MARK ON TEMPLATE ① WITH SQUARE BOLT. ADJUST BOTTOM BOLT FLUSH WITH BOTTOM OF DOOR (FOR NOW).



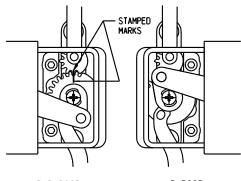


REMOVE BAR, DRILL .156 DIA HOLES IN HINGE STILE.
REINSTALL BAR PERMANENTLY WITH FOUR SCREWS AS
SHOWN BELOW.

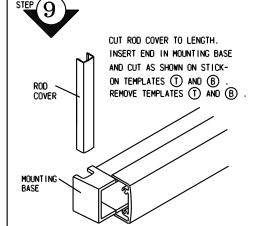


#10X1 1/4 PAN HEAD SELF-TAPPING SCREW
(2 AT HINGE END, 1 AT BOTTOM HOLE OF MOUNTING BASE)

SECURE CRANK ON DRIVER SHAFT WITH LOCK WASHER AND SCREW. THEN REINSTALL THE PUSH BAR.

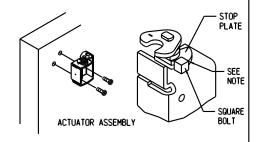


RHR DOOR WILL LOOK LIKE THIS LHR DOOR
WILL LOOK LIKE THIS





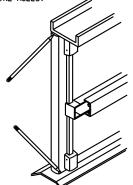
INSTALL TOP BOLT ACTUATOR ASSEMBLY AND SECURE WITH TWO SCREWS. SNAP ROD COVER ONTO PLASTIC ROD GUIDE AND SLIDE IT DOWN INTO MOUNTING BASE. WITH ASSEMBLY IN LOCKED POSITION AND PUSH BAR RELEASED, END OF SQUARE BOLT SHOULD ENGAGE STOP PLATE AS SHOWN. (FOR FINE ADJUSTMENT, REMOVE ACTUATOR ASSEMBLY, ADJUST BOLT UP OR DOWN AND REINSTALL ASSEMBLY).



NOTE: SQUARE BOLT MUST BE FLUSH WITH TOP OF STOP PLATE.

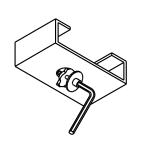


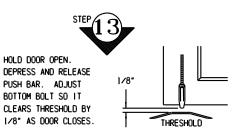
INSTALL DOOR IN FRAME. MARK ON HEADER, THRESHOLD, THE BACKSET CENTERLINE, AND WHERE FACE OF CLOSED DOOR RESTS. APPLY CLEAR TEMPLATES (H) AND (F) AND DRILL STRIKE HOLES.





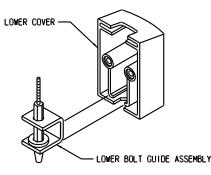
POSITION STRIKE PLATE ASSEMBLY ON HEADER. THEN, TIGHTEN SECURELY WITH HEX WRENCH. (TORQUE TO 100 IN-LBS MAX.)





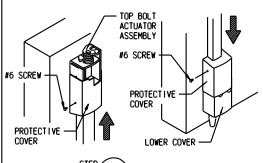


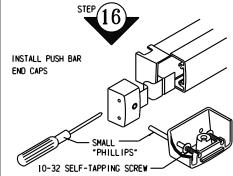
INSTALL LOWER COVER. SNAP ALUMINUM ROD COVER ONTO PLASTIC ROD GUIDE AND SLIDE IT UP INTO MOUNTING BASE. SLIP LOWER BOLT GUIDE ASSEMBLY OVER HEX BOLT AND DROP INTO LOWER COVER SHOWN. POSITION LOWER COVER AND SECURE IT WITH TWO SCREWS.





INSTALL TWO PROTECTIVE COVERS ON TOP BOLT ACTUATOR ASSEMBLY AND LOWER COVER. SLIDE PROTECTIVE COVERS INTO TOP BOLT ACTUATOR ASSEMBLY AND LOWER COVER. SECURE EACH COVER WITH ONE SCREW AT SIDE.







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NOTE THAT LOCATION OF TEMPLATE (T) WILL VARY.

AND MOUNT STRIKE TO HEADER. FOR FULL STOP,

MOUNT STRIKE TO STOP.

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FOR FIN STOP, REMOVE 1 3/4" WIDE SECTION OF FIN

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