



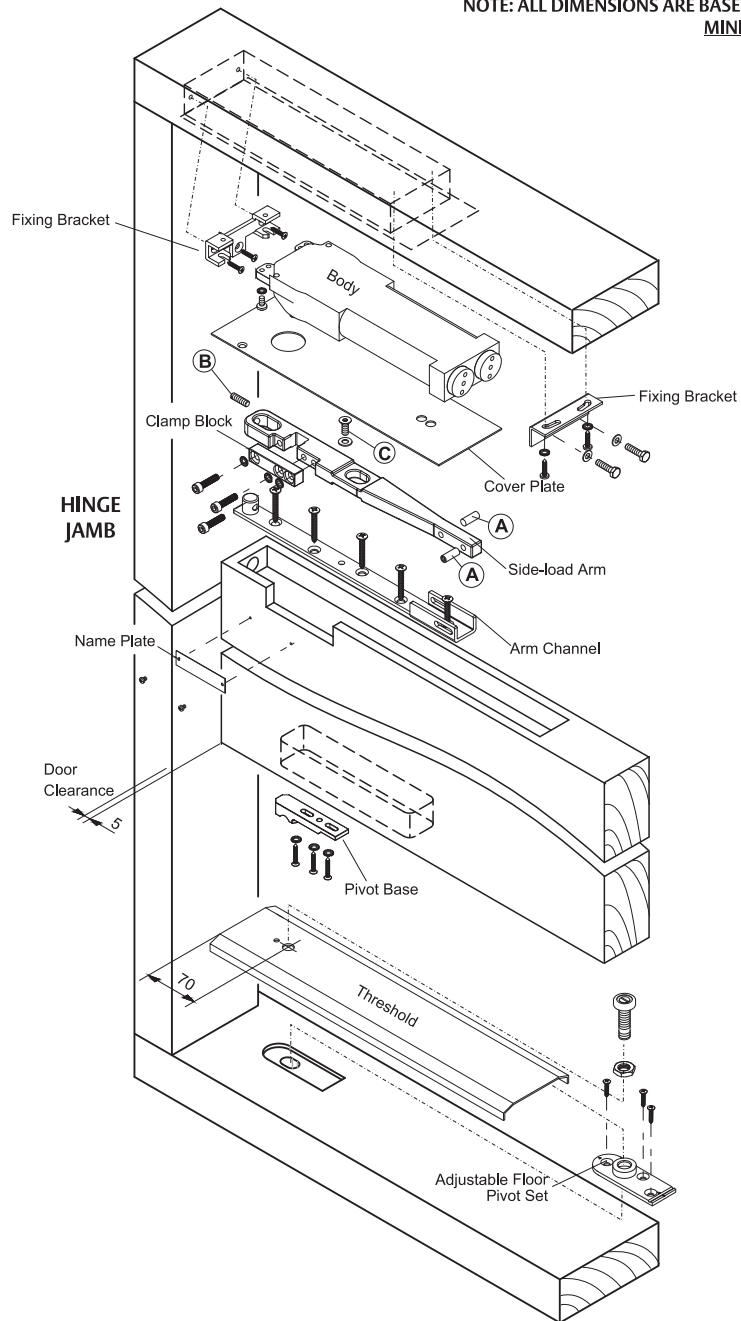
ASSA ABLOY

# LOCKWOOD 9800 SERIES CONCEALED OVERHEAD DOOR CLOSER

## TIMBER DOOR INSTALLATION INSTRUCTION

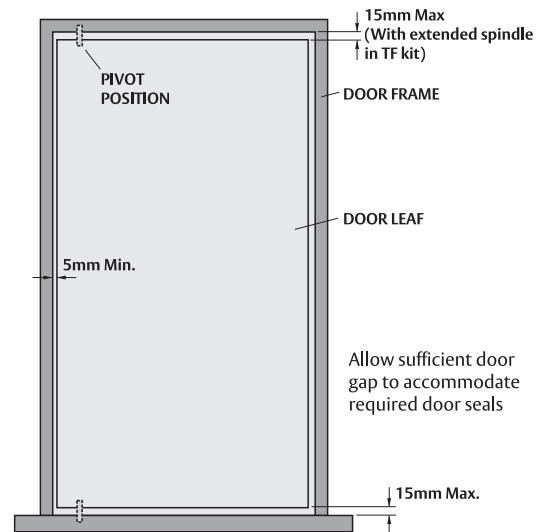
CENTRE PIVOTED - DOUBLE OR SINGLE ACTING DOORS  
NOTE: ALL DIMENSIONS ARE BASED ON A 70mm PIVOT POSITION  
MINIMUM DOOR THICKNESS 38mm

9800-321 (2)

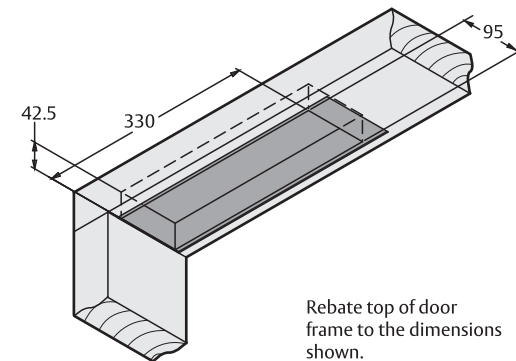


(Unit:mm)

### DOOR GAP ALLOWANCE

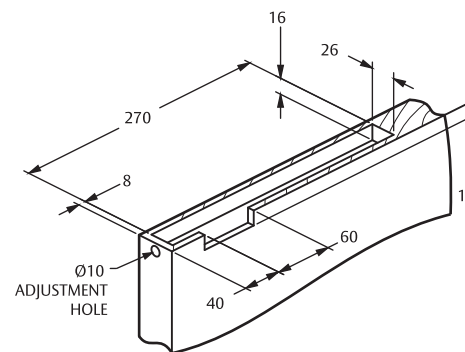


### DOOR HEADER PREPARATION



### TOP DOOR RAIL (SIDE LOADING ARM)

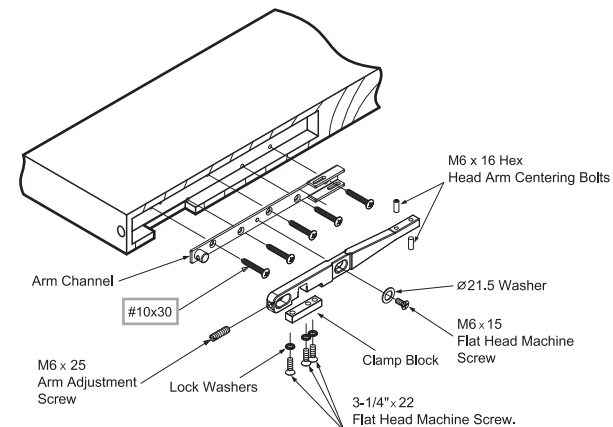
Make 60 x 15mm cut out in the top of the door as shown. Cut must be on the inside face of the door.



Fix arm channel with #10 x 30 flat head screws and install arm using M6 x 15 flat head machine screw and Ø21.5 washer. Install M6 x 25 dome head arm adjustment screw. Laterally adjust center of the arm spindle retainer from outside edge of door (not including weather-strips). Center arm in the top rail by adjusting the three 1/4" x 22 flat head machine screw centering bolts.

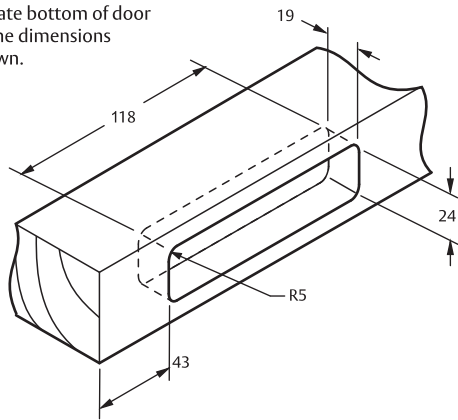
After installation of door, attach cover plate with self-tapping screw as provided.

NOTE: Before attaching cover plate, make certain the three 1/4" x 22 socket head clamp block cap screws are tightened securely.

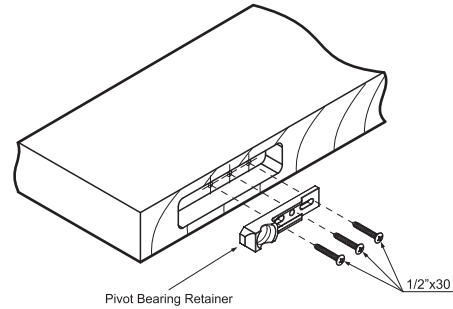


## BOTTOM DOOR RAIL (SIDE LOADING)

Rebate bottom of door to the dimensions shown.

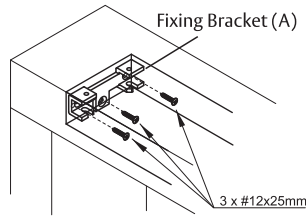


Install pivot bearing retainer in bottom of door using three 1/2" x 30 screws and lock washers. Laterally adjust center of pivot bearing retainer from outside edge of door (not including weather-strips) and tighten screws firmly.

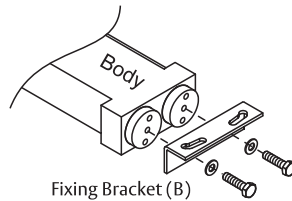


## INSTALLATION OF BODY INTO DOOR HEADER

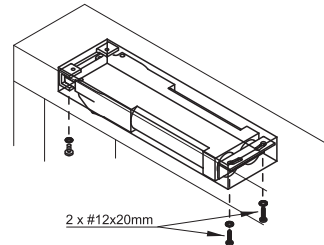
Secure Fixing Bracket (A) into the door frame rebate.



Secure Fixing Bracket (B) to the back of the door closer body.



Mount the door closer body into the Fixing Bracket (A) then screw Fixing Bracket (B) into the door frame.

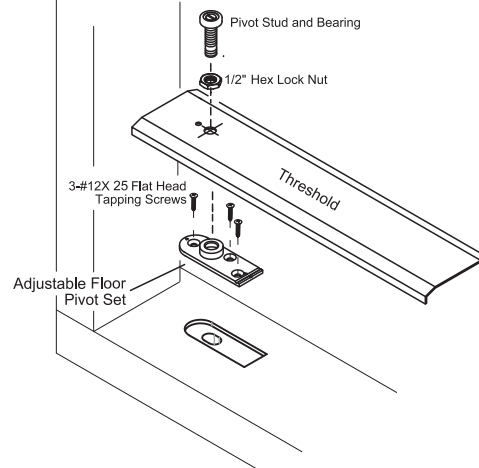


## FLOOR MOUNT PIVOT

Center pivot base against door jamb on hinge side. Mark and drill Ø8 holes 40 deep in floor top plastic expansion plugs. Mount base using Ø8 x 40 plastic expansion plugs and #12 x 25 flat head tapping screws.

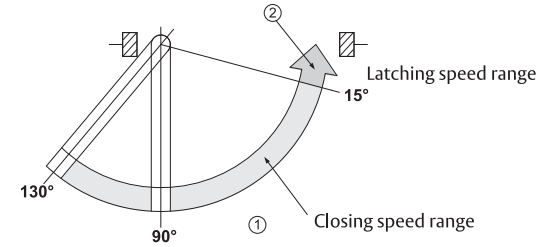
### ATTENTION:

Floor mount pivot base should be fixed on completely flat floor surface. If floor surface is not flat, make it flat before fixing floor mount pivot base.

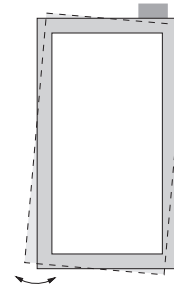


## SPEED ADJUSTMENT

Turn adjustment screw ① for desired closing speed then turn adjustment screw ② to produce a suitable latching speed.

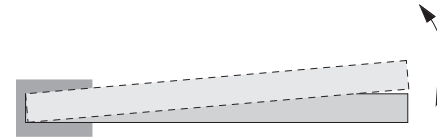


## PARALLEL DOOR POSITION ADJUSTMENT



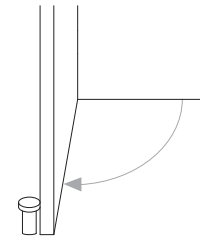
Clearance adjustable by screw ④ after loosening screw ③.

## CLOSED POSITION ADJUSTMENT DOOR



Closing position adjustable by screw ④ after loosening screw ③.

## ATTENTION



Opening the door wider than 90° (130°) capacity will seriously damage the closer.

A door stopper at the point of 90° (130°) is recommended to prevent the door from opening wider.

