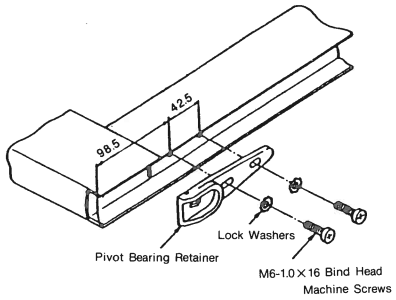
DOUBLE OR SINGLE ACTION—CENTER HUNG—SIDE AND END—LOADING

INSTALLATION INSTRUCTIONS

BOTTOM DOOR RAIL (END LOADING)



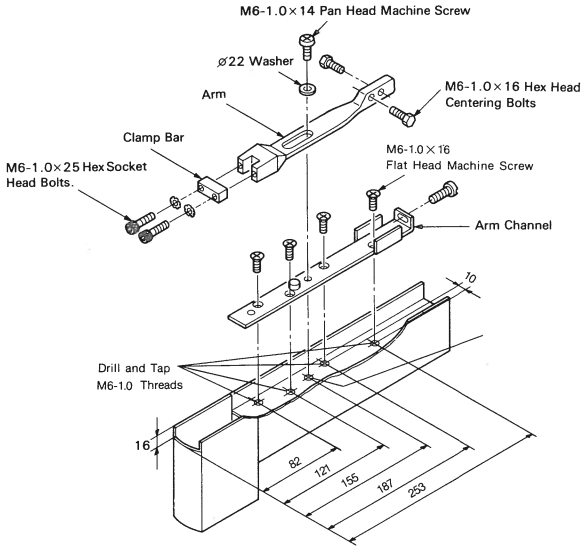
Make cut-out on edge of door equal to depth of bottom rail as shown

Drill and tap M6-1.0 holes In bottom rail of door as shown. Install pivot bearing retainer in bottom of door using two M6-1.0×16 bind head machine screws and lock washers.

Laterally adjust center of pivot bearing retainer 67 from outside edge of door (not including weatherstripping) and tighten screws firmly.

NOTE: For doors with 25.4 bottom rail depth. pivot stud must be shortened by sawing off at score 12.7 from bottom.

TOP DOOR RAIL ("K" TYPE, END LOADING ARM)

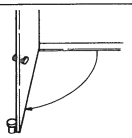


Make a 16 deep cut-out on edge of door as shown.

Drill or drill and tap holes in top of door as shown.

Fix and channel with M6-1.0×16 flat head machine screws and install arm using M6-1.0×14 pan head machine screw and ø22 washer. Center arm in the top rail by adjusting the two M6-1.0×16 hex head centering bolts.

NOTE:After door is installed, the two M6-1.0×25 socket head clamp bar screws with lock washers must be tightened securely.



ATTENTION

Opening the door wider than its 90° (105°) capacity will seriously damage the closer.

A door stopper at the point of 90° (105°) is recommended to prevent the door from opening wider.

RYOBI® RYOBI LIMITED

RYOBI® CONCEALED OVERHEAD DOOR CLOSERS

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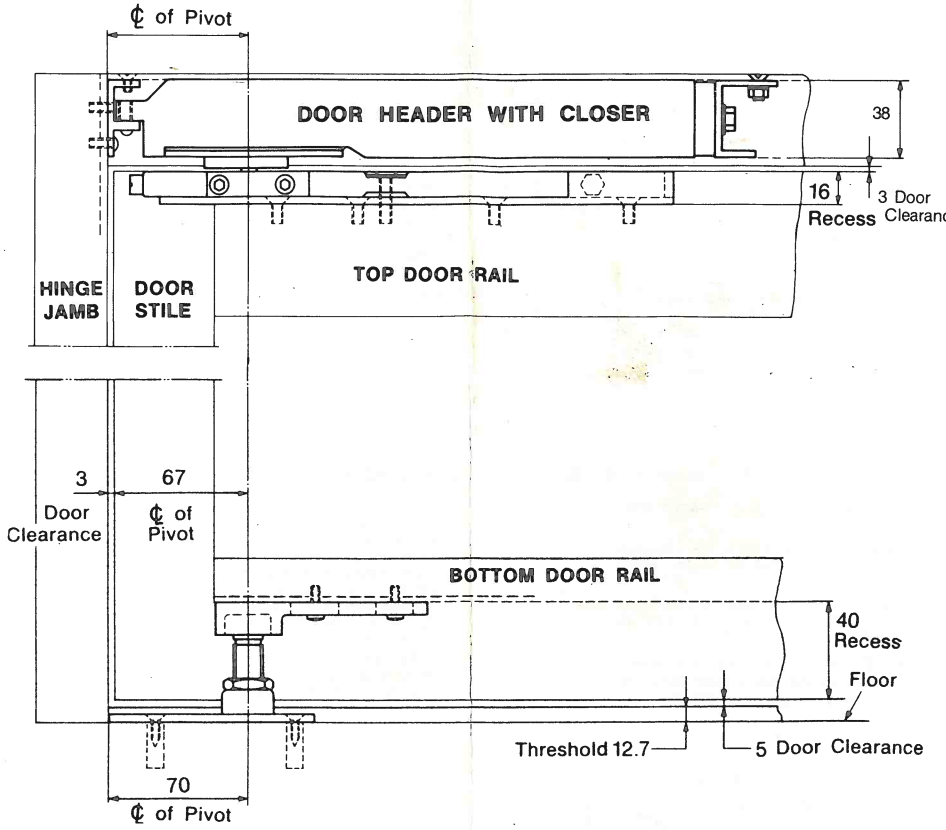
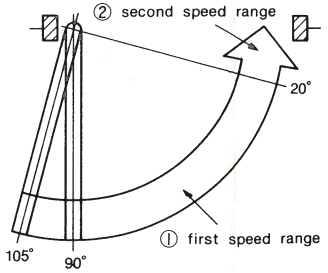
DOUBLE OR SINGLE ACTION—CENTER HUNG—SIDE AND END LOADING

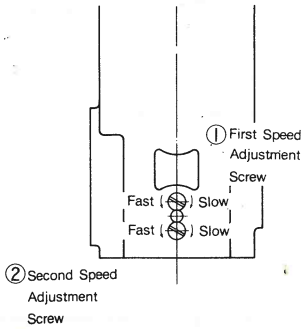
INSTALLATION DIMENSIONS (UNIT:MM)



SPEED ADJUSTMENT

Turn adjustment screw ① for desired first speed then turn adjustment screw ② to produce a suitable second speed.



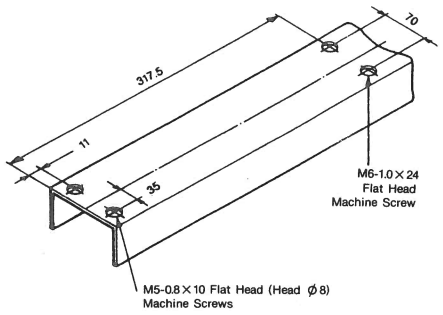


DOUBLE OR SINGLE ACTING — CENTER HUNG — SIDE AND END LOADING

INSTALLATION INSTRUCTIONS

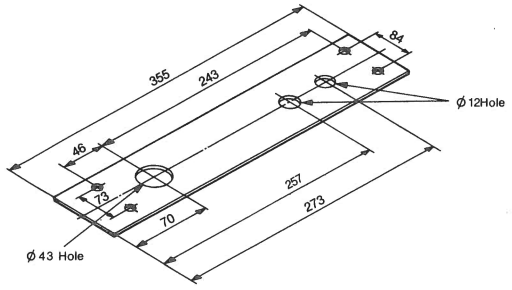
DOOR HEADER

Drill and counter-sink outside top surface for M5-0.8×10 (Head ⌀8) and M6-1.0×24 flat head screws as shown.



COVER PLATE

Drill ⌀43 and ⌀12 holes as shown.



TOP DOOR RAIL ("S" TYPE, SIDE LOADING ARM)

Drill or drill and tap holes in top of door as shown.

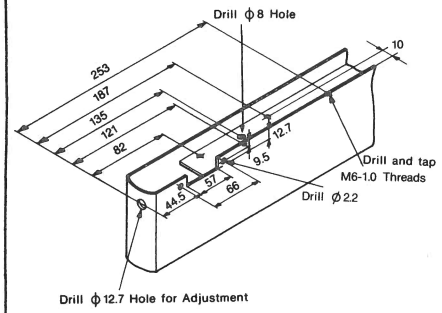
Make 57 x 12.7 cut-out in top of door as shown. Cut-out must be on the inside face of the door.

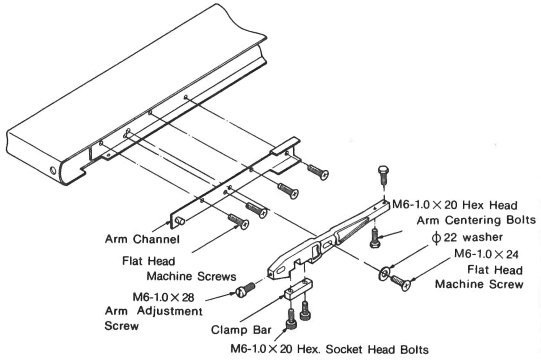
After installation of door, attach cover plate with self-tapping screws as provided.

NOTE: Before attaching cover plate, make certain the socket head clamp bar cap screws are tightened securely.

Fix arm channel with M6-1.0×16 flat head screws and install arm using M6-1.0×24 flat head machine screw and ⌀22 washer. Install M6-1.0×28 dome head arm adjustment screw. Laterally adjust center of the arm spindle retainer 67 from outside edge of door (not including weatherstripping). Center arm in the top rail by adjusting the two M6-1.0×20 hex head centering bolts.

NOTE: After door is installed, the two M6-1.0×20 head clamp bar cap screws must be tightened securely.



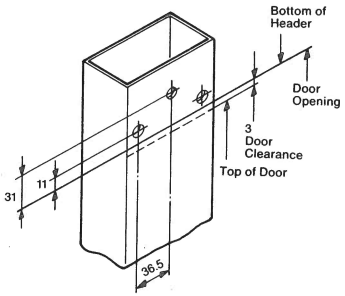


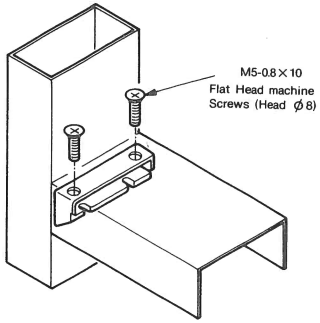
HINGE JAMB

Drill holes for M6-1.0×16 bind head machine screws as shown.

Install anchor using M6-1.0×16 bind head machine screws.

Mount door header on anchor using M5-0.8×10 flat head machine screws (Head ⌀8)

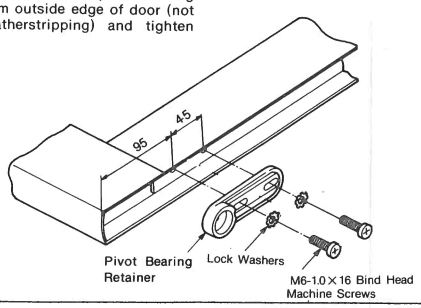




BOTTOM DOOR RALL (SIDE LOADING)

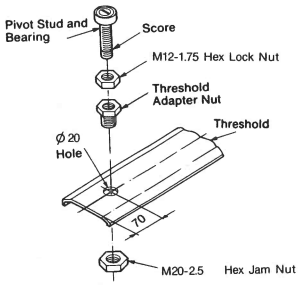
Drill and tap M6-1.0 holes in bottom rail of door as shown. Install pivot bearing retainer in bottom of door using two M6-1.0×16 bind head machine screws and lock washers.

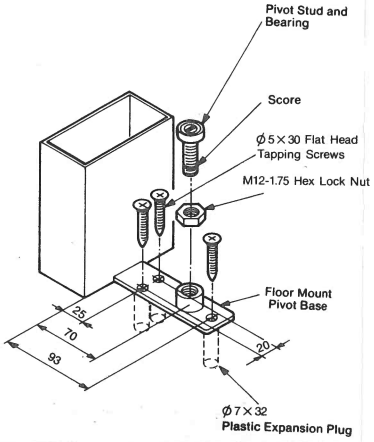
Laterally adjust center of pivot bearing retainer 67 from outside edge of door (not including weatherstripping) and tighten screws firmly.



THRESHOLD MOUNT PIVOT

Drill hole in thershold as shown. Install threshold adapter nut from top and secure with M20-2.5 hex jamb nut underneath. Install pivot stud and bearing with M12-1.75 lock nut as shown and adjust bearing height for proper door clearance and firmly tighten lock nut.





FLOOR MOUNT PIVOT

Center pivot base against door jamb on hinge side. Mark and drill ⌀6.35 holes 38 deep in floor fop plastic expansion bligs.

Mount base using ⌀7×32 plastic expansion plugs and ⌀5×30 flat head tapping screws.

Install pivot stud and bearing with M12-1.75 hex lock nut as shown, and adjust bearing height for proper door clearance and firmly tighten lock nut.

When using thershold, drill ⌀28 hole for clearance of pivot base on center line 70 from hinge end of threshold.

NOTE: When threshold is not used, pivot bearing stud must be shortened by sawing off at score 12.7 from bottom.

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.