

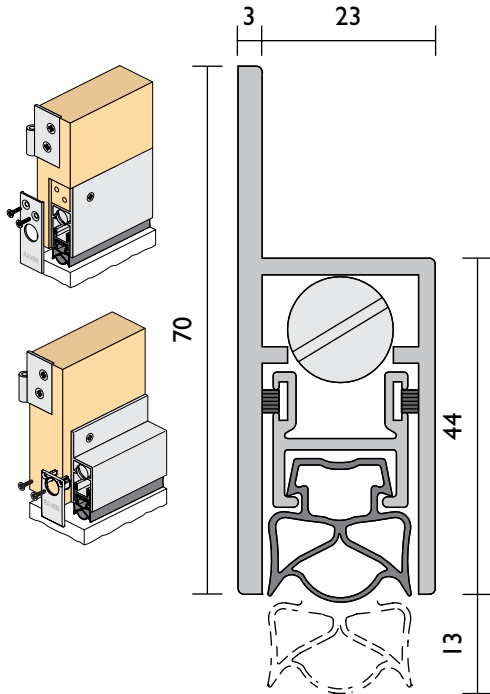
RP38Si



FITTING INSTRUCTIONS

Automatic Door Bottom Seal

Anti-microbial Silicon Gasket



Category J door bottoms are intended for application to/with Classified hollow metal and steel covered composite type fire doors rated up to and including 3 hrs. and wood and plastic covered composite and wood core fire doors rated up to and including 1-1/2 hrs.

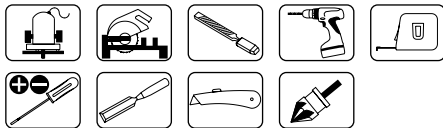
DETAILS

LOCATION

Single and double butt hinged door bottoms.

MIN/MAX GAP

3mm to 13mm.



TOOLS

SEAL MATERIAL

Silicon Rubber.

REPLACEMENT SEAL

RP38Si.

DESCRIPTION

RP38Si is a heavy duty door bottom seal. The seal is operated automatically by pressure against the door jamb on the adjustment nut. It seals when the door closes and retracts automatically when the door is opened. It is self levelling.

NOTES

- » RP38Si may be face mounted or semi-morticed.
- » For semi-mortice option, door should be prepared in advance. **(FIG.2 & 4) PAGE 3**
- » Do not cut RP38Si shorter than the length recommended as this may affect the seal operation and void warranty.
- » Determine hand of door **before cutting** RP38Si to size. Adjustment nut must be on hinge side. **(FIG.1) PAGE 1**
- » If doors are exposed to weather, any untreated exposed timber should be sealed with a wood primer.
- » Do not use power or battery driven tools to fit escutcheon plates.

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Part No. ZSDSRP38Si

FOR HAND OF DOOR

- STEP 1** Remove self tapping screw from hole 1. **(FIG.1)**
- STEP 2** Clamp housing firmly. Grip **adjustment nut end** of inner assembly with long nose pliers and pull from housing. **(FIG.2)**
- STEP 3** Turn inner assembly around and replace from opposite end. **(FIG.1)**
- STEP 4** Holding the RP38Si vertically, position **adjustment nut end** of inner assembly on edge of level surface and push down to safely slide inner assembly flush into housing. **(FIG.3)**

- STEP 5** Screw new self tapping screw supplied into hole 2. This secures inner assembly. **(FIG.1)** Install plug supplied to blank hole 1.
- STEP 6** Operate RP38Si by hand to check for correct assembly.
- STEP 7** Wind adjustment nut clockwise until it returns fully back into housing.
- STEP 8** Go to **STEP 2 PAGE 2** or **PAGE 3**.

FIG.1

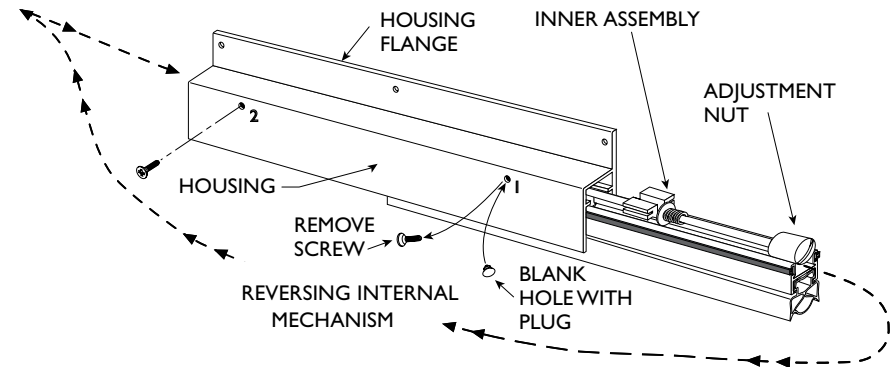


FIG.2

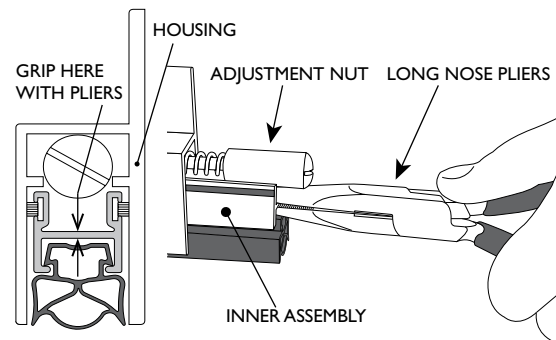
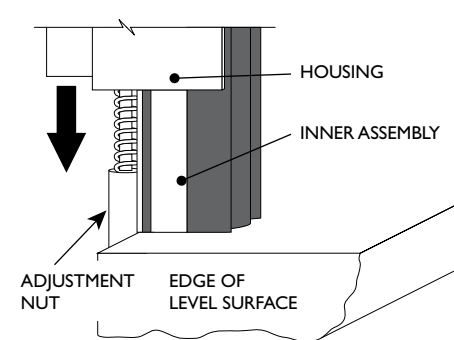


FIG.3



STEP 1 Check hand of door and seal orientation. Refer Reversing Internal Mechanism (**FIG.1**) **PAGE 1** to change. If reversal of mechanism is not required, blank hole 2 (**FIG.1**) **PAGE 1** now. Go to **STEP 2** this page.

STEP 2 Measure distance between door stops. (**FIG.3**)

STEP 3 If using **escutcheon plates** go to **Step 4**, otherwise machine cut RP38Si less 2mm for sizes 920mm to 1500mm or 5mm for sizes 450mm to 610mm. This is to allow clearance on latch side. Cut back latch side only. (**FIG.1**) Go to **Step 5**. Remove any burrs.

STEP 4 Machine cut RP38Si less 5-6mm for sizes 920mm to 1500mm or 9-10mm for sizes 450mm to 610mm. This is to allow clearance on latch side. Cut back latch side only. (**FIG.1**) Go to **Step 5**. Remove any burrs.

STEP 5 Cut gasket with a sharp wet knife. (**FIG.2**)

STEP 6 Drill and countersink mounting holes in housing flange to suit 8 gauge screws supplied. (**FIG.2**)

STEP 7 If using short escutcheon plates fit now with 4 gauge screws supplied (**FIG.1**), otherwise go to **Step 8**. Do not use a powered driver.
Note: Pull down inner assembly by a few millimetres when fitting escutcheon plates. (**FIG.4**)

STEP 8 Wind adjustment nut clockwise until it returns fully back into housing. (**FIG.2**)

STEP 9 With door closed, position RP38Si hard against **hinge** side stop and level with door bottom. Adjustment nut must be on hinge side. (**FIG.1** & **FIG.3**)

STEP 10 Screw fix with 8 gauge screws supplied.

STEP 11 For soft timber stops, position striker button where adjustment nut meets door stop. (**FIG.5**)

STEP 12 Open door and turn adjustment nut anti-clockwise two turns.

STEP 13 Close door gently and observe the action of the RP38Si. The seal should engage the sill lightly. For adjustment turn the adjustment nut anti-clockwise half a turn at a time and repeat this step.

MINIMUM CUT BACK LENGTHS

WITHOUT ESCUTCHEON PLATES

Sealing performance is slightly improved if fitted without escutcheon plates for face mount applications.

Nominal Seal Lengths:	Cuts back to:
1500mm	1220mm
1220mm	1070mm
1070mm	920mm
920mm	610mm
610mm	450mm
450mm	300mm

WITH ESCUTCHEON PLATES

Total length of product is increased by 4mm when using face mount escutcheon plates.

Nominal Seal Lengths:	Cuts back to:
1504mm	1224mm
1224mm	1074mm
1074mm	924mm
924mm	614mm
614mm	454mm
454mm	304mm

FIG.1

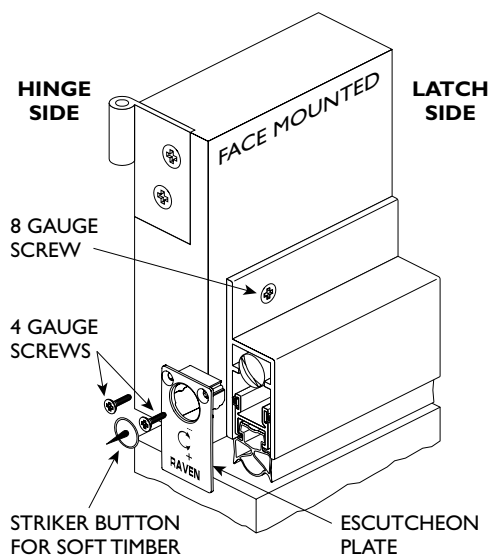


FIG.2

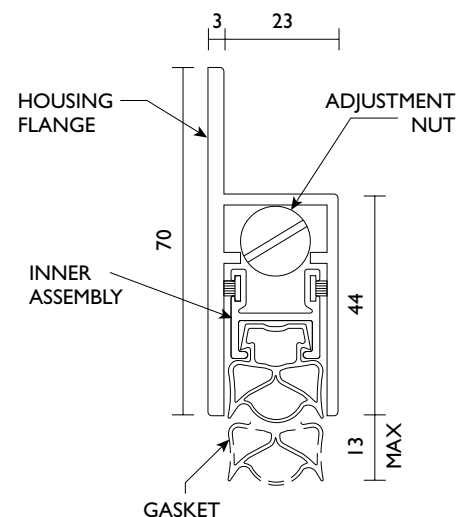


FIG.3

PLAN VIEW

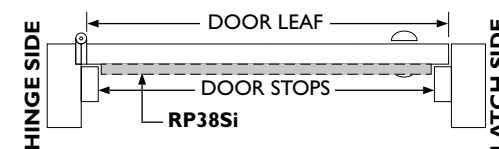


FIG.4

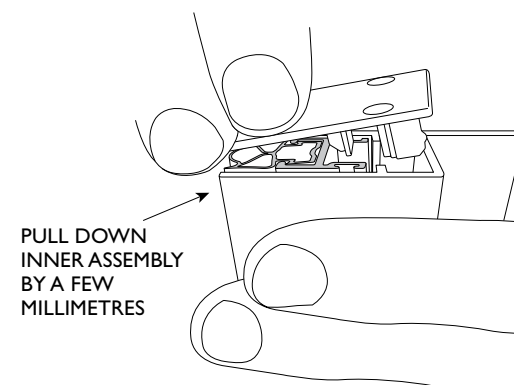
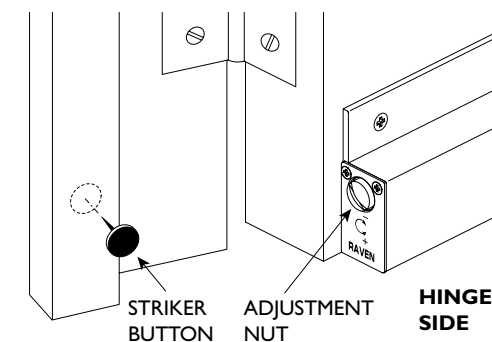


FIG.5



SEMI-MORTICE INSTALLATION

- STEP 1** Check hand of door and seal orientation. Refer Reversing Internal Mechanism (**FIG.1**) **PAGE 1** to change. If reversal of mechanism is not required, blank hole **2** (**FIG.1**) **PAGE 1** now. Go to **STEP 2** this page.
- STEP 2** Measure full width of door leaf. (**FIG.1**)
- STEP 3** Machine cut RP38Si less 5mm to allow morticing of escutcheon plates. Cut back latch side only. Remove any burrs. (**FIG.1 & FIG.2**) Cut gasket with a sharp wet knife. (**FIG.4**)
- STEP 4** Drill and countersink mounting holes in housing flange to suit 8 gauge screws supplied. (**FIG.4**)
- STEP 5** Wind adjustment nut clockwise until it returns fully back into housing. (**FIG.4**)
- STEP 6** To allow for escutcheon plates, **centre** RP38Si in door bottom with adjustment nut on **hinge** side. Screw fix with 8 gauge screws supplied. (**FIG.2 & FIG.3**)
- STEP 7** Fit morticed escutcheon plate **with the large hole** to hinge side. Do not use a powered driver. Drill pilot holes to suit 6 gauge screws supplied to prevent timber splitting. (**FIG.2**)
Note: Pull down inner assembly by a few millimetres when fitting escutcheon plates. (**FIG.5**)
- STEP 8** Fit morticed escutcheon plate **without large hole** to latch side using 4 gauge screws supplied. (**FIG.3**) Do not use a powered driver.
Note: Pull down inner assembly by a few millimetres when fitting escutcheon plates. (**FIG.5**)

- STEP 9** Push adjustment nut to check seal operates freely. Hang door.
- STEP 10** For soft timber jambs, position striker button where adjustment nut meets door jamb. (**FIG.6**)
- STEP 11** Open door and turn adjustment nut anti-clockwise two turns.
- STEP 12** Close door gently and observe the action of the RP38Si. The seal should engage the sill lightly. For adjustment turn the adjustment nut anti-clockwise half a turn at a time and repeat this step.

MINIMUM CUT BACK LENGTHS

WITHOUT ESCUTCHEON PLATES

Nominal Seal Lengths:	Cuts back to:
1500mm	1220mm
1220mm	1070mm
1070mm	920mm
920mm	610mm
610mm	450mm
450mm	300mm

WITH ESCUTCHEON PLATES

Total length of product is increased by 5mm when using semi-mortice escutcheon plates.

Nominal Seal Lengths:	Cuts back to:
1505mm	1225mm
1225mm	1075mm
1075mm	925mm
925mm	615mm
615mm	455mm
455mm	305mm

FIG.1

PLAN VIEW

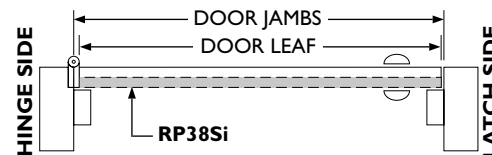


FIG.2

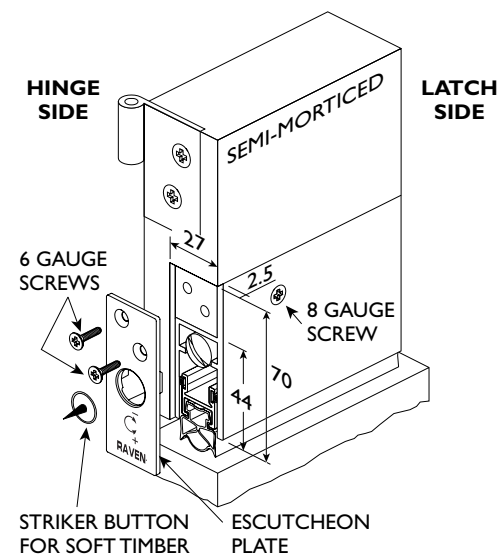


FIG.3

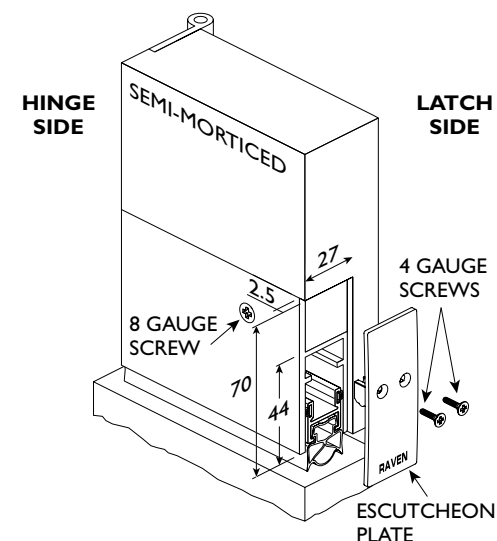


FIG.4

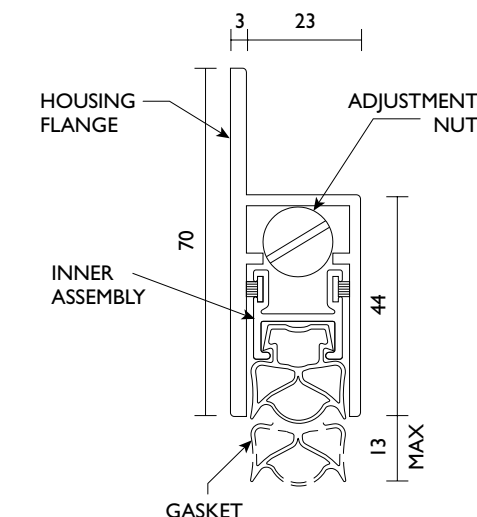


FIG.5

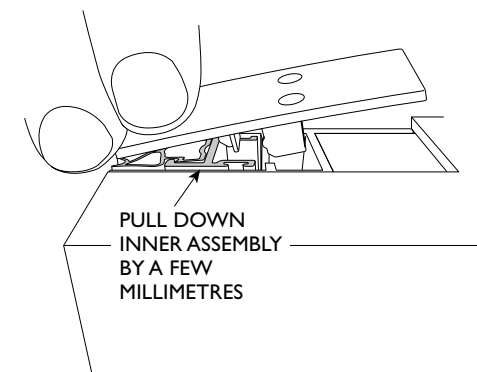


FIG.6

