

TOOLS



RP99Si is a heavy duty automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door is opened by a few millimetres. An acoustically designed seal for face mounted, or fully mortised applications. It is operated automatically by pressure against the door on its adjustment block. RP99Si Conforms to the 200°C requirement of **BCA-C3.4** specification, for fire rated & medium smoke doors. Also tested to **AS/NZS 1530.7 & ISO CD 5925-1** for Ambient and Medium temperature air leakage. All fitting options have been tested and approved on proprietary fire doors to 120 minutes **AS 1530.4** and **AS/NZS 2905.1**.

RP99Si has been tested for durability, 1,000,000 cycles completed without failure.

Location Solid core single and double broad butt hinged doors.

Min/Max Gap 1mm/19mm.

Nominal Seal Length Without Escutcheon Plates	Cut backs to; (Minimum Length) Without Escutcheon Plates fitted
1500	1450
1220	1070
1070	915
915	820
820	720
720	600
600	380
380	295

Nominal Seal Length With Escutcheon Plates	Cut backs to; (Minimum Length) Without Escutcheon Plates fitted
1553	1453
1223	1073
1073	919
919	823
823	723
723	603
603	383
383	298

Standard Finish Anodised Satin Clear or Bronze, PE paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powdercoat finish. Face mount aluminium angle and all escutcheon plates included.

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Seal Material Silicon Rubber (SE) (charcoal colour)

Replacement Seal RP3475Si

NOTES For Aluminium Frames:

- * On aluminium door frames it may be necessary to remove a small section of the door stop to give a flat surface for the adjustment block to strike against.
- * When fitting the seal the full width of the door the aluminium door stops can be checked out to suit seal profile.
- * Measure the distance between the door jambs in step 1 .

INSTALLATION :

- (1) Measure the distance between the door stops.(FIG. 1) To allow for door opening clearance on the latch side and clearance for the escutcheon plates **Machine Cut** RP99Si **shorter** by dimension "a".

SEAL UNIT	Fig.1 DIM "a"
380mm & 600mm	7mm
720mm & 820mm	5mm
915mm & 1070mm	5mm
1220mm & 1500mm	4mm

To allow for operating clearance, file the cut end of the inner extrusion 1mm shorter. Trim gasket. (FIG.2)

- (2) Position the **base assembly** only, on the bottom of the door with **adjustment block** hard against the **hinge side stop**. Drill **2mm** diameter holes through the base assembly into the door at a 45 degree angle every 200mm. NB. Chock base assembly level with door bottom while drilling, to prevent the base assembly moving or holes moving out of alignment.(FIG.2)

- (3) Remove the base assembly from the door and re-drill the base assembly holes to **4.0mm diameter**. This allows clearance for the screw thread.

- (4) Re-position the **base assembly** on the door and screw into position using the **longest** screws supplied.(FIG.3)

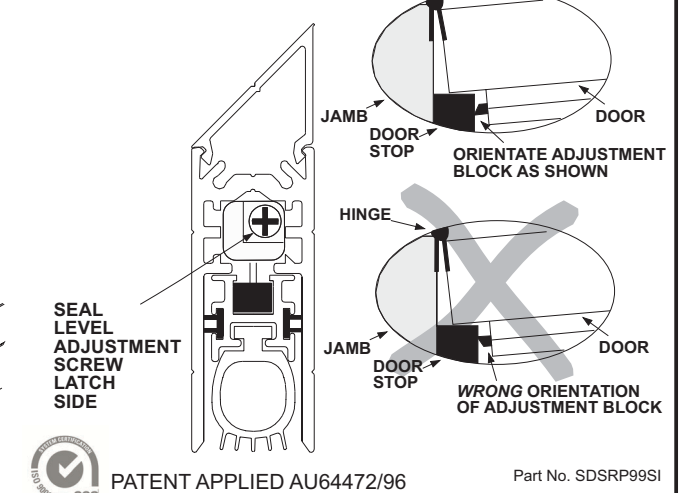
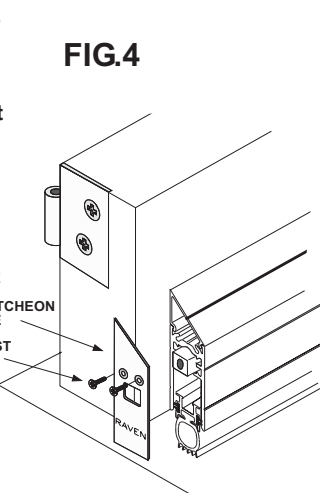
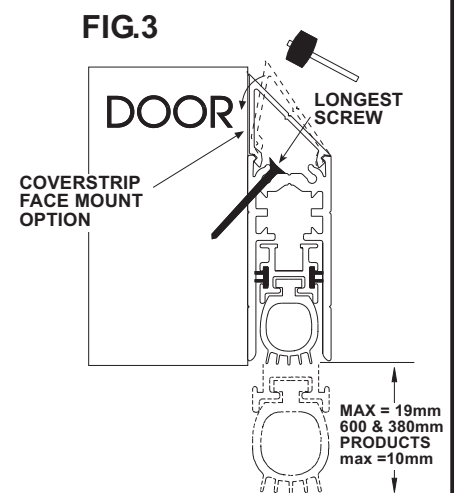
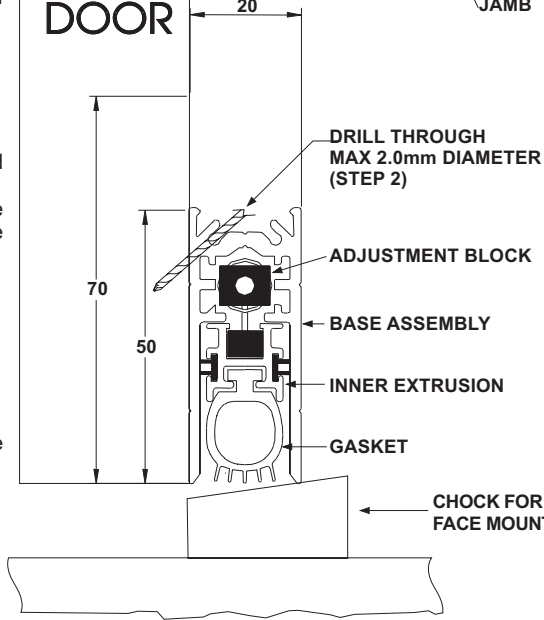
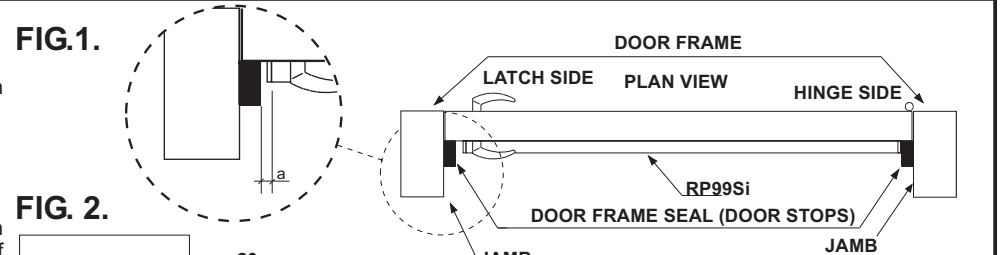
- (5) Fit on the **cover strip** by hooking the front leg into position. Then with a rubber mallet, lightly tap the top of coverstrip to snap in rear leg. (FIG 3.)

- (6) Break or cut the hinge side escutcheon plate (ie. the one with the square hole in it.) along the stamped lines to suit face mount end profile. File along break or cut to achieve a smooth finish and remove any sharp edges. Position the hinge side escutcheon plate on the base assembly and screwfix, using the **shortest** screws supplied. (FIG.4)

- (7) Close the door and observe the **gasket/sill** clearance. Adjust the seal's **action travel** by pulling out **adjustment block** far enough to clear the escutcheon plate. Hold the M5 bolt in fixed position and turn adjustment block **clockwise** to decrease seal's action travel and **anti-clockwise** to increase it. NB. A tight seal is not necessary. **Orientate** the **adjustment block** correctly. (FIG.6)

- (8) Ensure the seal is **parallel** with the door sill. The seal is factory set to seal a door bottom that is parallel with the door sill. If the seal is not parallel, adjust the **level adjustment screw**, located on the latch side of the doorseal with a phillips head screw driver. (FIG.5)

- (9) Repeat step six for the latch side escutcheon plate.



RP99Si is a heavy duty automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door is opened by a few millimetres. An acoustically designed seal for face mounted, semi mortised or fully mortised applications. It is operated automatically by pressure against the door on its adjustment block.

RP99Si Conforms to the 200°C requirement of **BCA-C3.4** specification, for fire rated & medium smoke doors. Also tested to **AS/NZS 1530.7 & ISO CD 5925-1** for Ambient and Medium temperature air leakage. All fitting options have been tested and approved on proprietary fire doors to 120 minutes **AS 1530.4** and **AS/NZS 2905.1**.

RP99Si has been tested for durability, 1,000,000 cycles completed without failure.

Location Solid core single and double broad butt hinged doors. For fully and semi-mortised applications minimum door thickness 40mm recommended.

Min/Max Gap 1mm/19mm

Nominal Seal Length Without Escutcheon Plates	Cut backs to; (Minimum Length) Without Escutcheon Plates fitted
1500	1450
1220	1070
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Standard Finish Anodised Satin Clear or Bronze, PE paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powdercoat finish. Face mount aluminium angle and all escutcheon plates included.

Seal Material Silicon Rubber (SE) (charcoal colour)

Replacement Seal RP347Si

NOTES:

* If fitting to double doors with rebated meeting stiles refer (FIG.5 page 3).

INSTALLATION :

- (1) Measure the width of the door(s). Remove the **cover strip** from the **base assembly**. **Machine cut** RP99 to this length less 3 mm shorter. To allow for operating clearance, file the cut end of the inner extrusion 1mm shorter. Trim gasket. (FIG.1&2)
- (2) **Machine groove** the bottom of the door(s) **20mm x 50mm**. (FIG 2 & 3)
- (3) At locations shown in the drilling plans, drill **4.0mm** diameter holes through top of **base assembly** aluminium in groove provided. (FIG.1 & FIG.4 page 3)
- (4) Position base assembly on door bottom with **adjustment block** on **hinge side** of door. (FIG 2 & 3)
- (5) **Caution:** Carefully withdraw moveable assembly just far enough to allow screwfixing. Over extension may void warranty. Screwfix using **longest** screws supplied. (FIG.1)
- (6) Break or cut the hinge side escutcheon plate (ie. the one with the square hole in it.) along the stamped lines to suit end profile. (FIG 2 & 3) File along break or

cut to achieve a smooth finish and remove any sharp edges. Position escutcheon plate on the base assembly and screwfix, using the **shortest** screws supplied. (FIG 2 & 3)

- (7) Close the door and observe the **gasket/sill** clearance. Adjust the seal's action **travel** by pulling **out adjustment** block far enough to clear the escutcheon plate. **Hold** the M5 bolt in fixed position and turn adjustment block **anti-clockwise** to increase seal's action travel and **clockwise** to reduce it. Nb. A tight seal is not necessary. **Orientate** the **adjustment block** correctly. (FIG.4)
- (8) Check to see if the seal is **parallel** with the door sill. The seal is factory set to seal a door bottom that is parallel with the door sill. In case the door is not parallel, adjust the **level adjustment screw** (FIG.1) with a phillips head screw driver
- (9) Repeat step **six** for the latch side escutcheon plate.

TOOLS

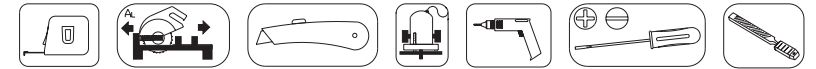
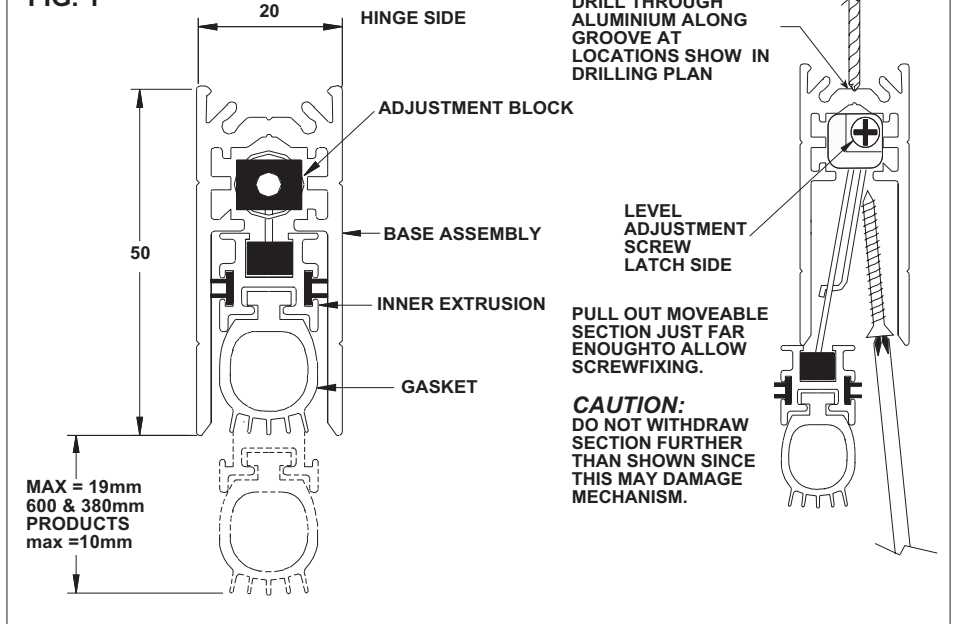


FIG. 1



FULLY MORTISED
Single or double (Plain meeting stiles)

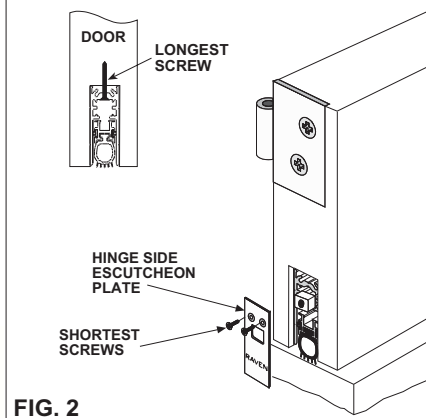


FIG. 2

SEMI - MORTISED : For single or double doors.
Ideal for concealed flush bolts.
(see fig.5 page 3)

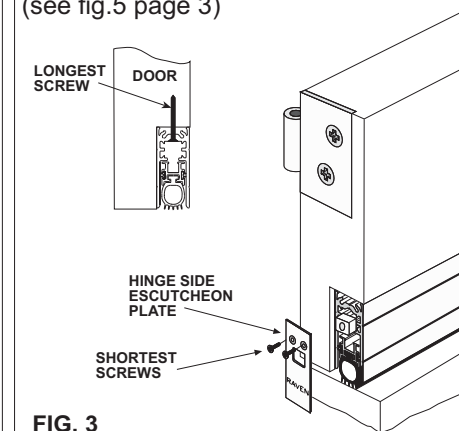


FIG. 3

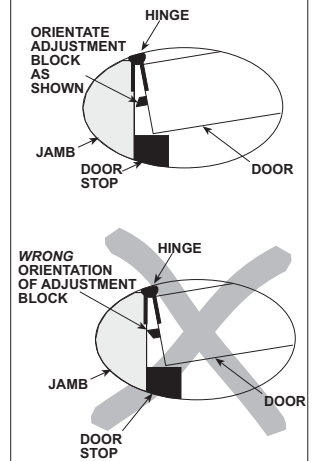


FIG. 4



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FIG. 4 DRILLING PLAN BASE EXTRUSION - PLAN VIEW (See fig. 2 & 3 page 2)

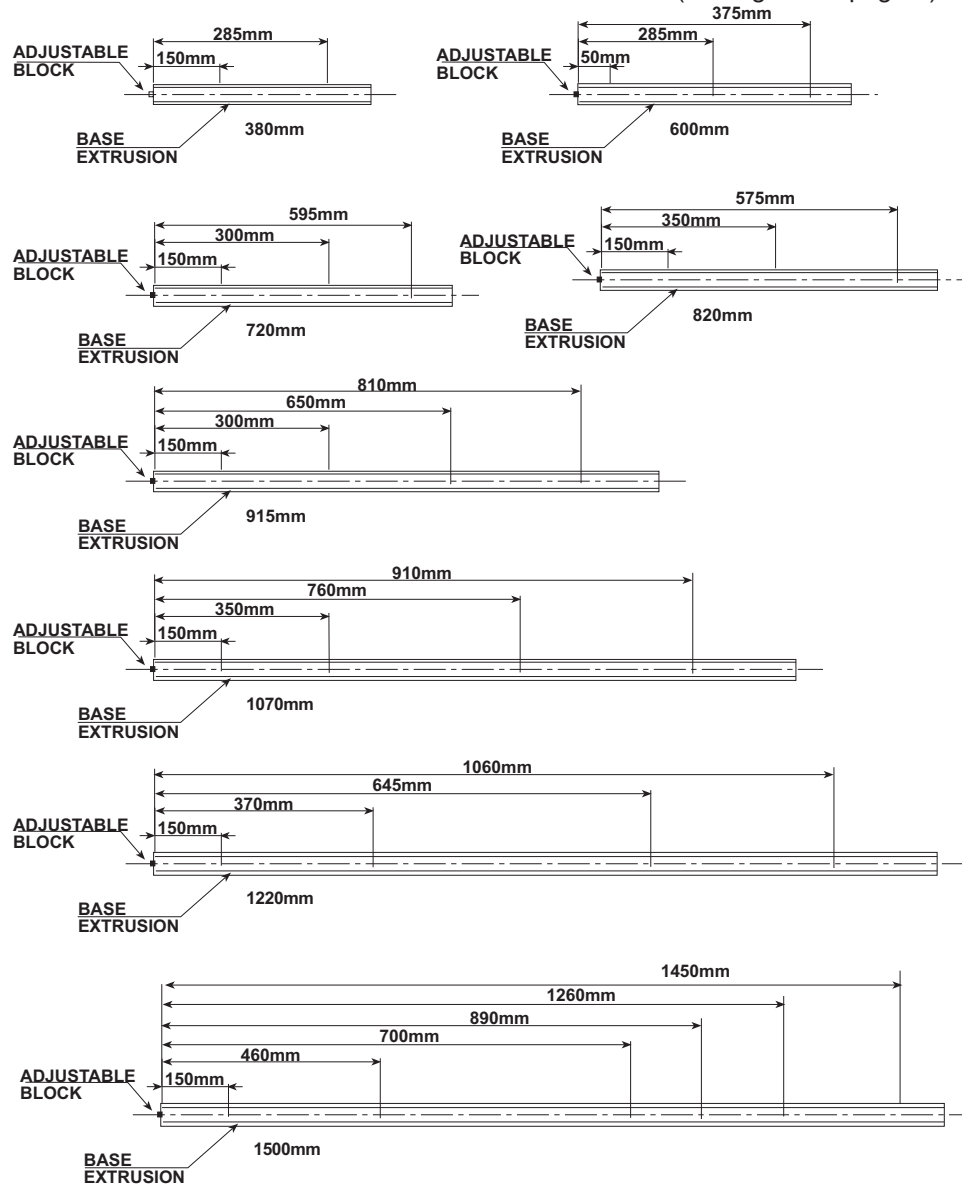


FIG. 5 SEMI- MORTISED : Double doors with rebated meeting stiles.

NB. Concealed flush bolt.(by Others)
Minimum 40mm doors recommended.

