

How to measure guide



Security doors - single hinge door

To ensure the Prowler Proof ForceField® or Protec security screen door you are ordering fits and performs perfectly, please follow the steps below. All doors should be ordered as make size. Please note all references should be taken from outside view looking in, as per ordering through COSI.

1 Make Size Limitations

ForceField - no midrail
Max Height (mm) - 2500
Max Width (mm) - 1550

ForceField - with midrail
Max Height (mm) - 3000
Max Width (mm) - 1800

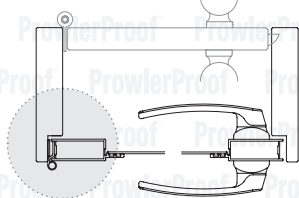
Protec - no midrail
Max Height (mm) - 2500
Max Width (mm) - 1300

Protec - with midrail
Max Height (mm) - 2500
Max Width (mm) - 1800
(Mesh rotated 90 degrees)

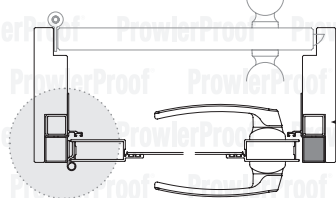
2 Fixing Position

Ensure there is 11mm minimum of surface on the head and jambs that the screen can be closed onto. Ensure the jambs you are fixing into are in good condition and strong enough to fix securely.

☐ In reveal direct (No clashes)

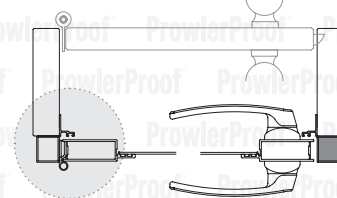


☐ In reveal with jamb adaptors (Key operation clash)

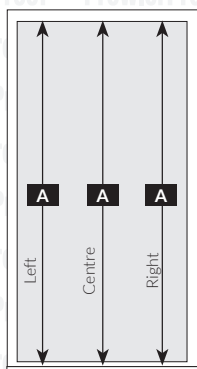


19x19 Box Section

☐ Face fix with jamb adaptors (Handle clash)



2 Drop



Measure between the head and sill as indicated by dimension **A**

A Left: _____ subtract 9mm = _____ mm

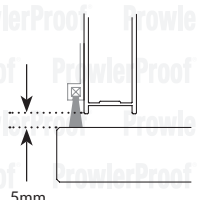
A Centre: _____ subtract 9mm = _____ mm

A Right: _____ subtract 9mm = _____ mm

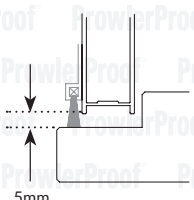
Check there are no obstructions that would stop the door from operating like light fittings / over hangs at the top or path irregularities on out swinging doors which may hit at the bottom. A jamb adaptor and/or bug strip may be required.

AS5040 Install Requirements: measurement records need to be kept.

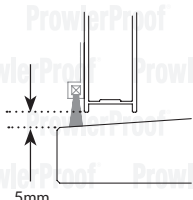
Flat sill



Rebate sill



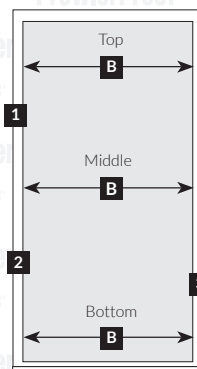
Angled sill



AS5040 Install Requirements: The clearance at the sill and head should not exceed 5mm unless to compensate for irregularities in the door opening.

Tip: The screen door should be fitted to the outside face of the existing opening to allow for the hinge pin to sit off the jamb and work properly, otherwise a jamb adaptor or huge packers will be required. A rebate of 20mm works best.

3 Width



All information shown refers to security doors using a triple lock as required by AS5039 testing.

AS5040-2003 Install requirements:

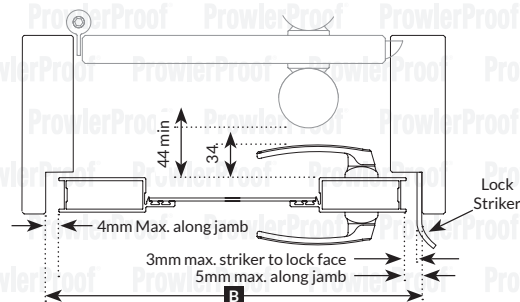
- 1** Clearance between the lock striker and lock face should not exceed 3mm.
- 2** Lock side jamb clearance must not exceed 5mm.
- 3** Hinge side jamb clearance must not exceed 4mm.

B Top: _____ subtract 9mm = _____ mm

B Middle: _____ subtract 9mm = _____ mm

B Bottom: _____ subtract 9mm = _____ mm

Tip: Subtract an extra 1mm if fitting to an aluminium or steel frame.

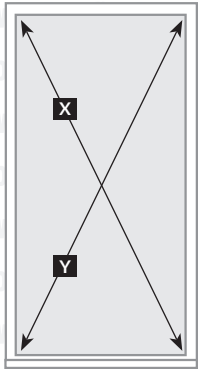


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4 Diagonal, Taper and Out of Square Doors



- X** Diagonal top left to bottom right = _____ mm
Y Diagonal top right to bottom left = _____ mm

Drop Taper: Maximum 10mm difference between left & right

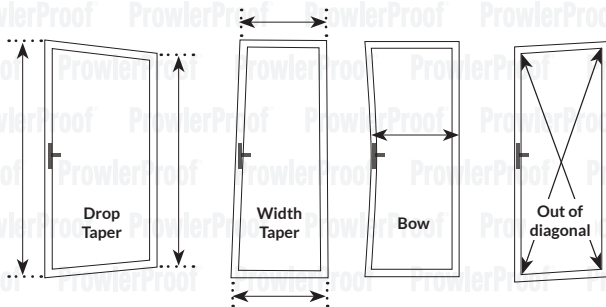
Width Taper: Maximum 14mm difference between top & bottom

Out of diagonal: +/- 15mm maximum

Accuracy: +/- 5mm (applies only to doors that are out of square)

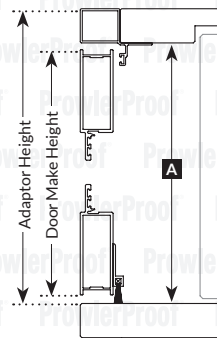
Bow Centre: Maximum 7mm difference outside the range of top and bottom either in or out

Note: ForceField®, SnapLock, and Protec products can only be bowed on the lock side.



5 Jamb Adaptors and Door Stop Bead

Jamb adaptors are used at the head and jambs of an opening. They are generally used because of out of square, bowed openings, flat jambs or as a build-out to allow a gap between door handles. All previous measurements can be used with jamb adaptors and door stop bead.



Jamb Adaptors

A Height Left: _____ mm

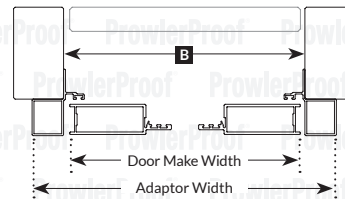
Add 20mm = _____ mm

A Height Right: _____ mm

Add 20mm = _____ mm

B Width Top: _____ mm

Add 40mm = _____ mm



16x13mm Door Stop Bead

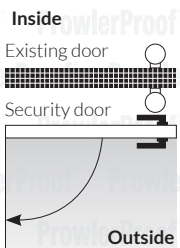
A Height Left: _____ mm

A Height Right: _____ mm

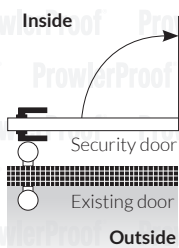
B Width Top: _____ mm

subtract 26mm = _____ mm

6 Door Swing



☐ Out-swing



☐ In-swing

The security door will swing in the opposite direction to the existing door.

7 Handle Side



Left Hand Side

☐ Left



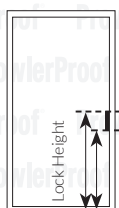
Right Hand Side

☐ Right

From the outside looking in which side will the handle be on?

Note: Usually the same side as the handle on the existing entrance door.

8 Lock Height



The security door's handle can be above or below the existing door's lock/handle.

Above: Measure from sill to top of existing door's lock/handle: _____ mm

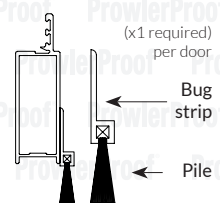
Add 25mm = _____ mm

Below: Measure from sill to bottom of existing door's lock/handle: _____ mm

Subtract 185mm = _____ mm

Note: Select one position only.

9 Bug Strip



Tip: Fix bug strip to the door with thin double sided tape to reduce the chance of corrosion.

Bug strip ☐ 16mm ☐ 25mm

Pile size ☐ 16mm ☐ 28mm

Pre-cut lengths

☐ 900mm ☐ 1550mm

☐ 2100mm ☐ 2500mm

Custom cut lengths _____ mm