## SHUTTER SLIDE

2 and 3 Panel Telescopic System - Manual or Automated

### Fitting Instructions

<table>
<thead>
<tr>
<th>No. of Panels</th>
<th>Operation</th>
<th>Min. Panel Width</th>
<th>Max. Panel Width</th>
<th>Panel Thickness Range</th>
<th>Max Panel Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Manual</td>
<td>500mm</td>
<td>1200mm</td>
<td>35 - 47mm</td>
<td>120kg</td>
</tr>
<tr>
<td></td>
<td>Automatic</td>
<td>500mm</td>
<td>1200mm</td>
<td>35 - 47mm</td>
<td>80kg</td>
</tr>
<tr>
<td>3</td>
<td>Manual</td>
<td>500mm</td>
<td>1200mm</td>
<td>35 - 47mm</td>
<td>120kg</td>
</tr>
<tr>
<td></td>
<td>Automatic</td>
<td>500mm</td>
<td>1200mm</td>
<td>35 - 47mm</td>
<td>60kg</td>
</tr>
</tbody>
</table>

### SYSTEM COMPONENTS

- **120 Track**
  - 2 Door (x2)
  - 3 Door (x3)

- **HH4/AN Track Stop**
  - 2 Door (x2)
  - 3 Door (x3)

- **WP**F Fascia
  - (x1)

- **WP**T Wall Fixing Profile
  - (x1)

- **WP**/EC End Caps
  - (x2)

- **Toothed Belt**
  - (x1)

- **GSSUR Channel**
  - 2 Door (x2)
  - 3 Door (x3)

- **GSSULR Channel**
  - 2 Door (x2)
  - 3 Door (x3)

- **Additional Belt Clamp**
  - 2 Door (x1)
  - 3 Door (x2)

- **Datum Block**
  - (x1)

- **Short Arm**
  - 2 Door (x1)
  - 3 Door (x2)

- **Long Arm**
  - 2 Door (x1)
  - 3 Door (x3)

- **GSS/SSK10 Guide**
  - 2 Door (x2)
  - 3 Door (x3)

- **GSS/LH Offset Angle Plate Left**
  - (x1)

- **GSS/RH Offset Angle Plate Right**
  - (x1)

- **E120/24V Motor**
  - (x1)*

- **E120/230V Motor**
  - (x1)*

- **E2/RCK Remote**
  - (x1)

- **GSS/MK** L Plate
  - 2 Door (x2)
  - 3 Door (x3)

- **Control Panel**
  - (x2)*

- **E/B10 Belt Clamp**
  - (x1)*

### Note:
Fixings not supplied by P C Henderson, please choose suitable fixings for the relevant application environment.

* Automated only
**Full short code depends on system installed
Components vary depending on specification
TOOLS REQUIRED

- Tape Measure
- 2, 3, 4 & 5 mm Allen Keys
- Posi Drive Screwdriver
- Spirit Level
- Scissors

SYSTEM OVERVIEW & TRACK INSTALLATION

**KEY**

- DT = Door Thickness
- TSH = Track Set Height
- DH = Door Height
- S = Gap Required Between Tracks
- X = PCH Recommended Top Clearance (63.5mm)
TWO PANEL TELESCOPIC SYSTEM OVERVIEW

![Diagram of two panel telescopic system]

KEY:
- DW = Door Width
- APP = Maximum Clear Opening Width
- OL = Overlap of doors (recommended 70mm)

PCH RECOMMEND OL = 70mm

\[
APP = 2 \times DW - 140
\]

\[
DW = \frac{APP + 140}{2}
\]

Shutter Open Final Position

THREE PANEL TELESCOPIC SYSTEM OVERVIEW

![Diagram of three panel telescopic system]

KEY:
- DW = Door Width
- APP = Maximum Clear Opening Width
- OL = Overlap of doors

PCH RECOMMEND OL = 70mm

\[
APP = 3 \times DW - 210
\]

\[
DW = \frac{APP + 210}{3}
\]

Shutter Open Final Position
**STEP 1:** Cut track and track profile to the required length (cut an extra 16mm off track when installing an automated system). Drill holes in the track (hole size depends on fixing method) and use "V" to ensure holes are central. Fix the profile to the wall and fix the track to the underside of the profile. See diagram below for recommended track height.

**Note:** It is the installer’s responsibility to ensure that the correct fixing/wall insert is used and is suitable - depending on the wall/ceiling type and quality.
STEP 2: Manual: Fit apron plates 32mm (min.) from edge of door. Automated: Fit apron plates 150mm from edge of door. Manual and Automated: Ensure apron plates are equal distance from either edge of door. Once positioned correctly, screw into place.

STEP 3: Install the U-profile channel onto the base of the shutter, fixing at 200mm intervals along the centre line

STEP 4: Attach long arm along centre line
**STEP 5:** Attach short arm in-line with edge of door.

**STEP 6:** Insert stops, hangers and pulley wheel into the track in the order shown.

Note: Pulley wheel is for automated installations only. Insert into the front track only.

**STEP 7:** Automated: Secure motor unit to track by inserting block into track and tightening bolts to clamp over bottom of the track.
STEP 8: Loop belt around bearing wheels and cut belt to length.

STEP 9: Hang the shutter onto the track, set the height and tighten into position.

- i. Set Shutter height by rotating strap bolt on flats
- ii. Once position set – tighten thin nut against apron plate.

STEP 10: Check and adjust shutter height so that it is between 20mm - 32mm from bottom of track.
**STEP 11:** Align shutters with spirit level to position fixed floor guide

**STEP 12:** Using appropriate fixings, fit the L plate fixing guide to the edge of the opening. Next, attach the guide using an allen key to tighten into place. Adjust door stop if required before fixing to ensure the door is vertical.
STEP 13: Floor guide overview

STEP 14: Automated: Loosen belt clamp, cut to length and tighten to secure belt.

STEP 15: Automated: Push tensios wheel assembly so that the belt is taut and secure assembly in position by tightening the M6 grub screw
STEP 16: Set track stops to limit travel

STEP 17: Loop belt around follower shutter pulley wheel and clamp to lead shutter using the belt.
**STEP 18:** Follower shutter 1 and follower shutter 2 overview (3 door only)

![Diagram of follower shutters](image)

- Follower Shutter 1
- Follower Shutter 2
- Belt runs in front of belt bracket
- Bracket to be fixed to shutter

**STEP 19:** With shutter in fully closed position, mark the position for the datum block.

![Diagram showing marking of datum block](image)

Mark position of datum block by aligning with edge of follower shutter
STEP 20: Affix datum block, ensuring shutters are able to fully traverse the track. Connect belt to datum block - ensuring shutters are able to fully traverse the track.

STEP 21: Position and secure track stops at both ends of the track to ensure all panels are aligned in the fully open position.

STEP 22: Clip on fascia and screw on end caps