PORTMAN

PC20 Gravity Closer
Fitting Instructions

For use with doors 755-1500mm wide
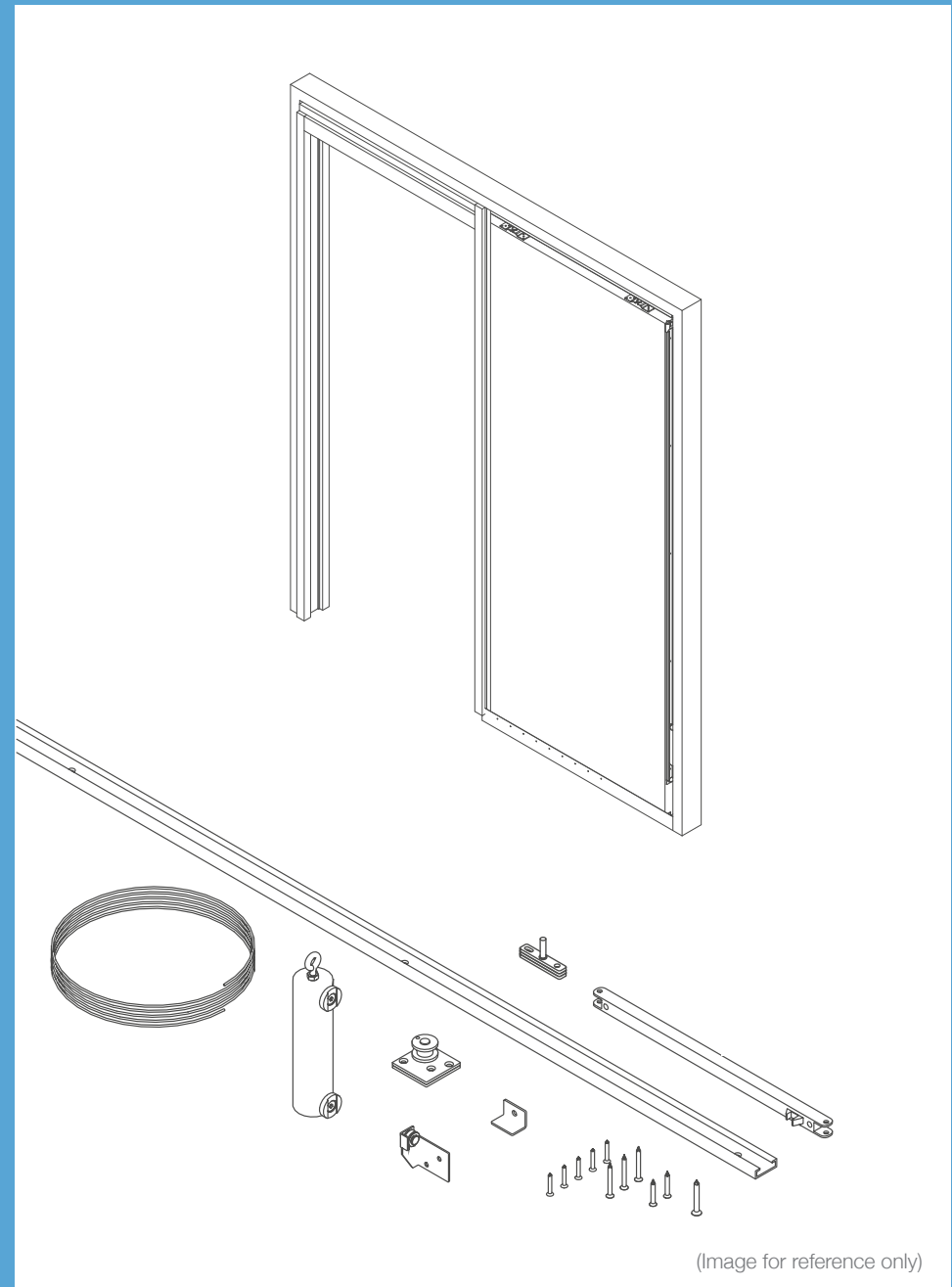and 44mm thick only.
For Single and Double doors.

Components

Closer mechanism

- Door weight assembly with nylon cord
- Aluminium track.
- Top pulley assembly.
- Damper and activator.
- Cord adjuster.
- Weight support bracket.

Fixing items

- Screw set A
  No8 x 1 1/4" wood screws x 2.
- Screw set B
  No6 x 1" wood screws x 5
- Screw set C
  No8 x 1 3/4" wood screws x 4

(Image for reference only)

PRE-DOOR FITTING INFORMATION

Firstly construct a studwork frame on which to affix the pocket door system. Portman doors are designed for 100mm studwork. It is crucial that the frame is constructed square and plumb. Measure door and studwork heights from the **finished floor level.**

KEY

W   Studwork width

H   Studwork height

Op Door opening width

Oh Door opening height

Wp Door width

Hp Door height
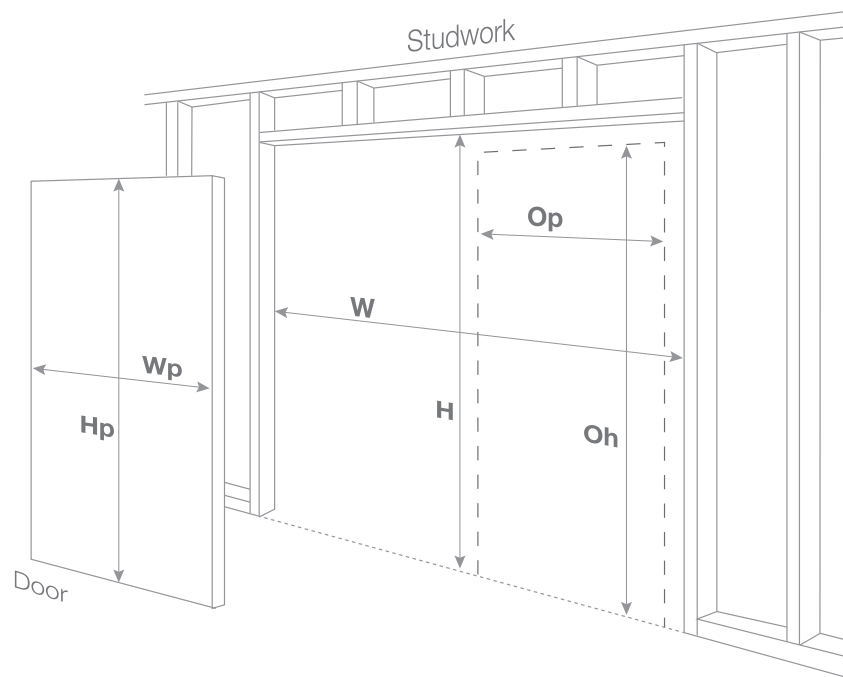
P7001 kits

Single Doors	Double Doors
To calculate studwork width and height from known door dimensions	
Studwork width (W) = (2 x Door width (Wp)) + 51mm	Studwork width (W) = (4 x Door width (Wp)) + 64mm
Studwork height (H) = Door height (Hp) + 85mm	Studwork height (H) = Door height (Hp) + 85mm
To calculate door size from known studwork dimensions	
Door width (Wp) = (Studwork width (W) - 51mm) / 2	Door width (Wp) = (Studwork width (W) - 64mm) / 4
Door height (Hp) = Studwork height (H) - 85mm	Door height (Hp) = Studwork height (H) - 85mm
To calculate door size from known door opening dimensions	
Door width (Wp) = (Door Opening Width (Op)) + 23mm	Door width (Wp) = (Opening Width (Op) + 34mm) / 2
Door height (Hp) = (Door Opening Height (Oh)) + 4mm	Door height (Hp) = (Door Opening Height (Oh)) + 4mm
To calculate door opening width and height from known door dimensions.	
Door Opening Width (Op) = Door Width (Wp) - 23mm	Door Opening Width (Op) = (2 x Door Width (Wp)) - 34mm
Door Opening Height (Oh) = Door height (Hp) - 4mm	Door Opening Height (Oh) = Door height (Hp) - 4mm

PFD30 kits

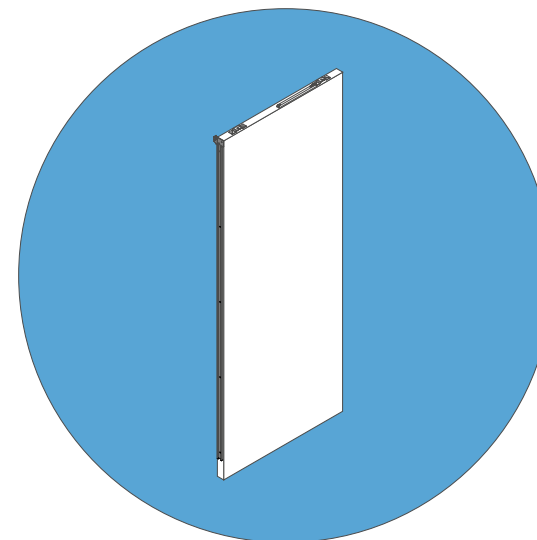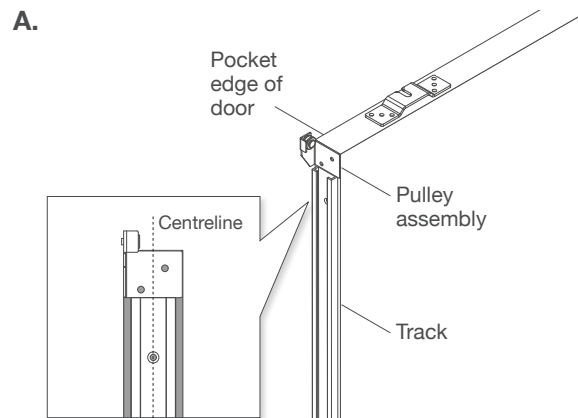| Single Doors	Double Doors
To calculate studwork width and height from known door dimensions	
Studwork width (W) = (2 x Door width (Wp)) + 20mm	Studwork width (W) = (4 x Door width (Wp))
Studwork height (H) = Door height (Hp) + 85mm	Studwork height (H) = Door height (Hp) + 85mm
To calculate door size from known studwork dimensions	
Door width (Wp) = (Studwork width (W) - 20mm) / 2	Door width (Wp) = (Studwork width (W)) / 4
Door height (Hp) = Studwork height (H) - 85mm	Door height (Hp) = Studwork height (H) - 85mm
To calculate door size from known door opening dimensions	
Door width (Wp) = (Door Opening Width (Op)) + 95mm	Door width (Wp) = (Opening Width (Op) + 131mm) / 2
Door height (Hp) = (Door Opening Height (Oh)) + 33mm	Door height (Hp) = (Door Opening Height (Oh)) + 33mm
To calculate door opening width and height from known door dimensions.	
Door Opening Width (Op) = Door Width (Wp) - 95mm	Door Opening Width (Op) = (2 x Door Width (Wp)) - 131mm
Door Opening Height (Oh) = Door height (Hp) - 33mm	Door Opening Height (Oh) = Door height (Hp) - 33mm

Step 1
Pulley assembly and track

A. Using **'Screw Set A'**, pilot and screw fix the pulley assembly centrally to the back edge of the door leaf, ensuring it is flush with the top edge of the door.

Using **'Screw Set B'**, fix the track through the countersunk holes into the back edge of the door. Ensure the track is fitted centrally to the door leaf. NOTE: The track may require cutting to length. Ensure there is 160mm gap from the bottom of the door leaf to the bottom of the track.

Hang the door as per the door fitting instructions.

A.

Pocket edge of door

Centreline

Pulley assembly

Track

Step 2
Tensioner

For single door kits

For double door kits, please proceed to Step 2A.

A. Ensure the tensioner is fitted in line with the pulley wheel. Screw fix the cord tensioner assembly at the closing jamb using **'Screw Set B'**.

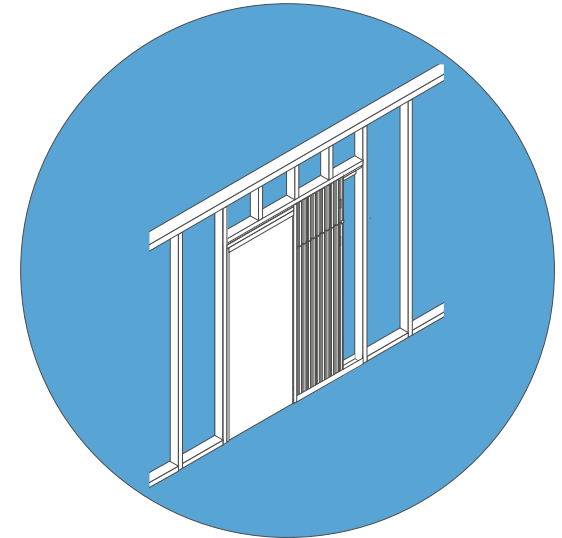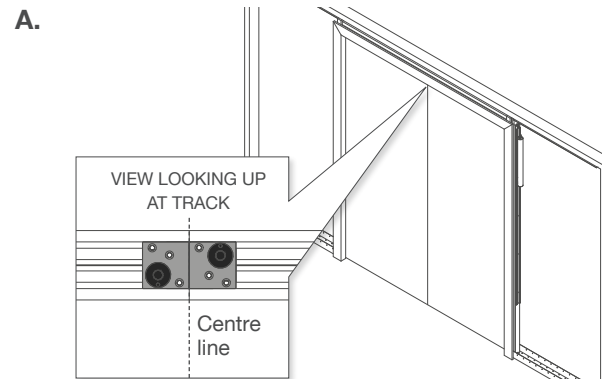Wherever possible ensure the screws go into solid timber and avoid screwing into timber joints.

A.

VIEW LOOKING UP AT TRACK
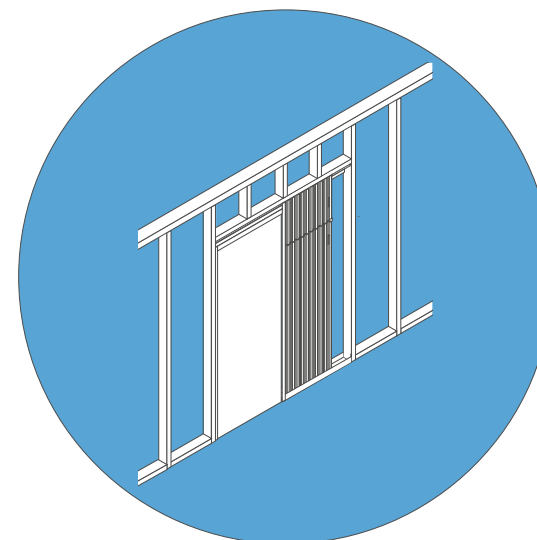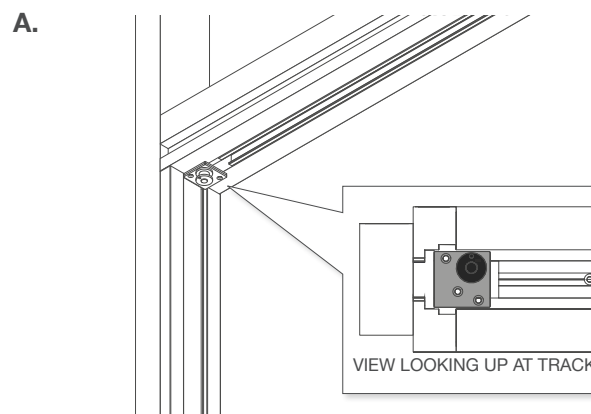
# Step 2A
Tensioner

For double door kits

A. Ensure when fitting the tensioners they are up against the centreline between cassette jamb edges.

A.

VIEW LOOKING UP
AT TRACK

Centre
line

Step 3
Weight assembly and support bracket

A. Feed the plastic guides of the weight assembly into the track, with the cord facing upwards.

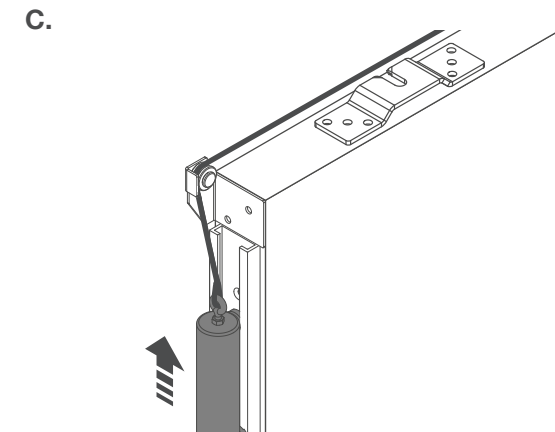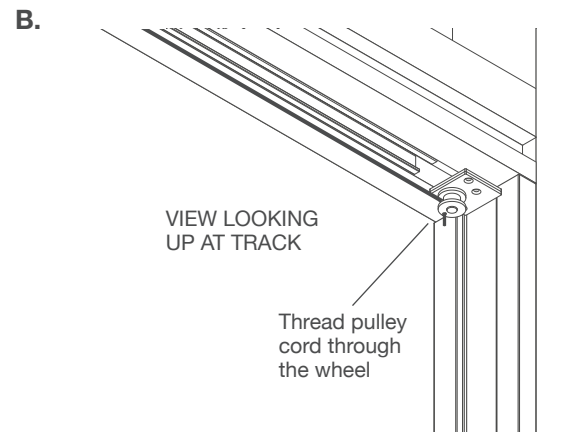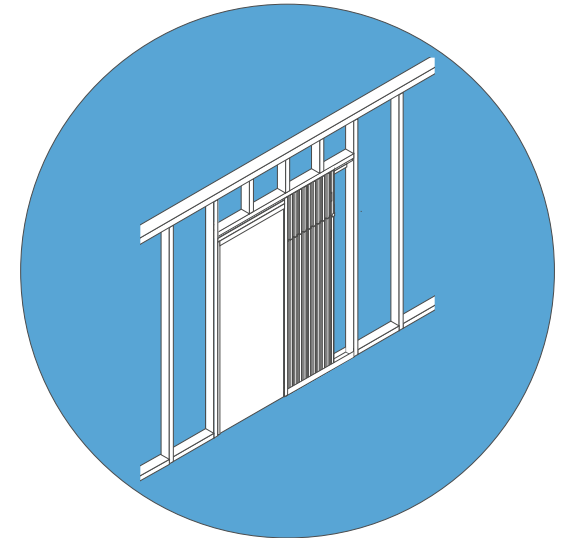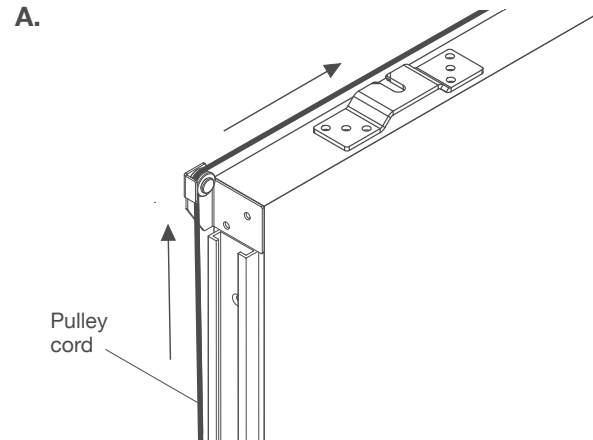After fitting the weight, screw fix the support bracket below the track.

A.

Weight
assembly

Support
bracket
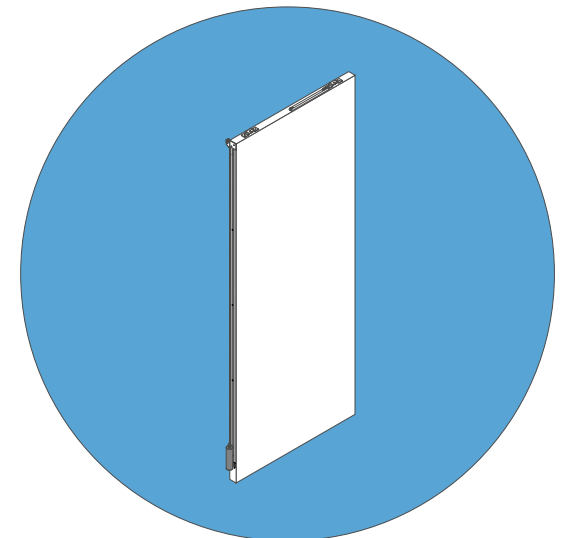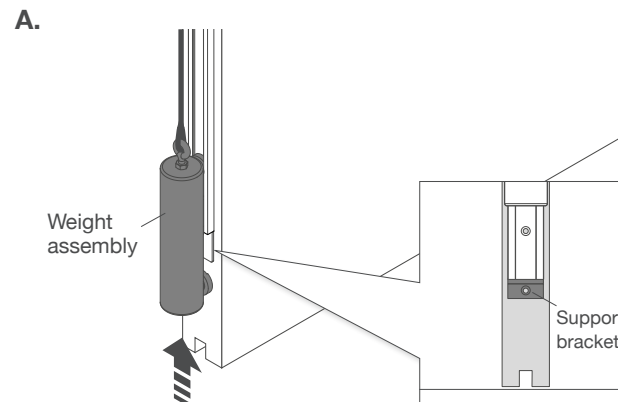
Step 4
Pulley cord assembly

A. Pass the cord around the plastic pulley wheel of the top pulley assembly

B. Secure the door fully open. Thread the cord through the hole in the wheel of the cord tensioner assembly. Ensure it is threaded from inside to out and to the left hand side of the wheel assembly.

C. With the door fully open, pull the cord through the tensioner wheel, raising the weight to just below the top pulley bracket. Securely knot the cord to the tensioner and then operate the door to ensure all components are correctly fitted, prior to cutting off the remaining cord.

FOR DOUBLE DOOR KITS, PLEASE REPEAT STEPS 1-4 FOR THE SECOND DOOR.

A.

Pulley cord

B.

VIEW LOOKING UP AT TRACK

Thread pulley cord through the wheel

C.

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