

Safe T Tilt



For parts list please see back. Check all parts are supplied before starting.

General Arrangement

The Mighton Safe T Tilt Window System consists of a pair of extruded PVCu jamb channels **(1)**

These are fitted to each window frame jamb **(2)**

The restrictor stay is fixed to the sash stile and moves vertically in the groove channel **(3)**

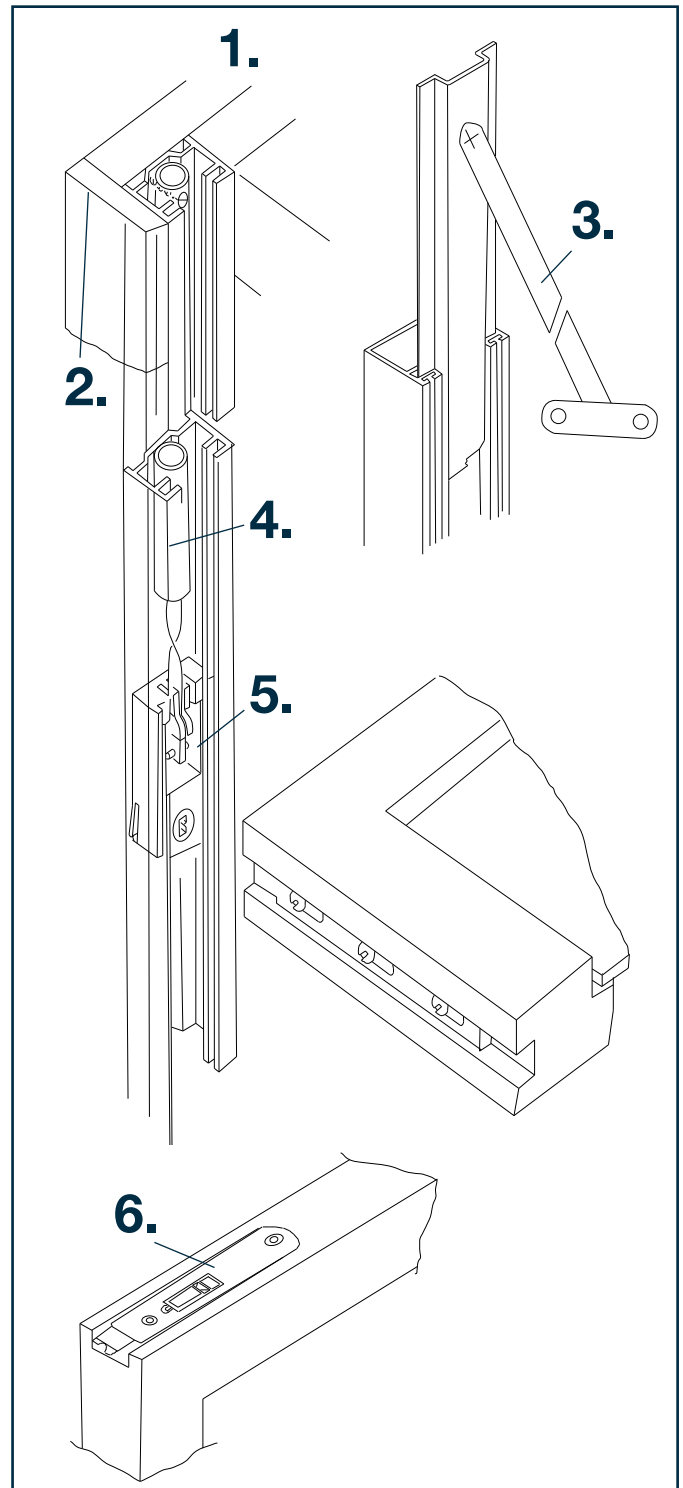
The jamb channel houses the spiral balances **(4)**
They also serve as a guide for the pivot shoes **(5)**

The sash is retained in the vertical position by two guide catches which are fitted to the top of the sash stiles **(6)**

Once the guide catches are released, the sash can be tilted inwards as illustrated.

Key Features

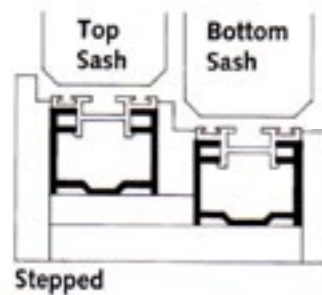
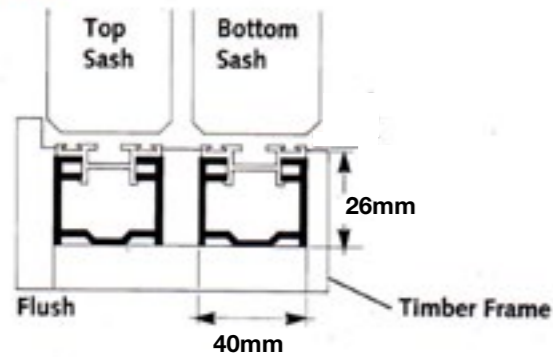
- Sashes can be tilted inwards for easy and safe cleaning from inside the building.
- Sashes are supported when tilted by a rigid stainless steel restrictor which stays at an angle of approximately 45°.
- High performance weatherproofing is supplied.
- The sash can be easily installed or removed if necessary for maintenance, painting, glazing etc.



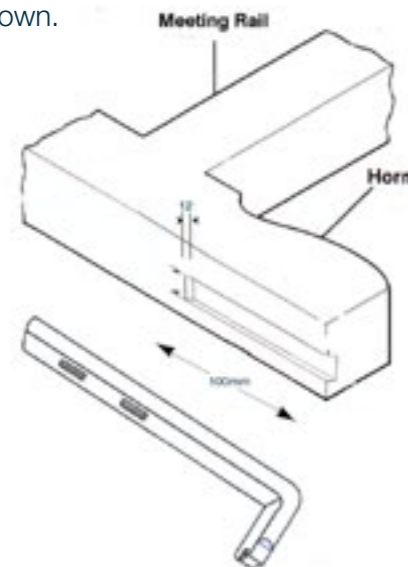
1. Jamb Channel
2. Wood Frame
3. The Restrictor Stay
4. Spiral Balance Jamb Channel
5. The Pivot Shoe
6. Guide Catch

Preparation

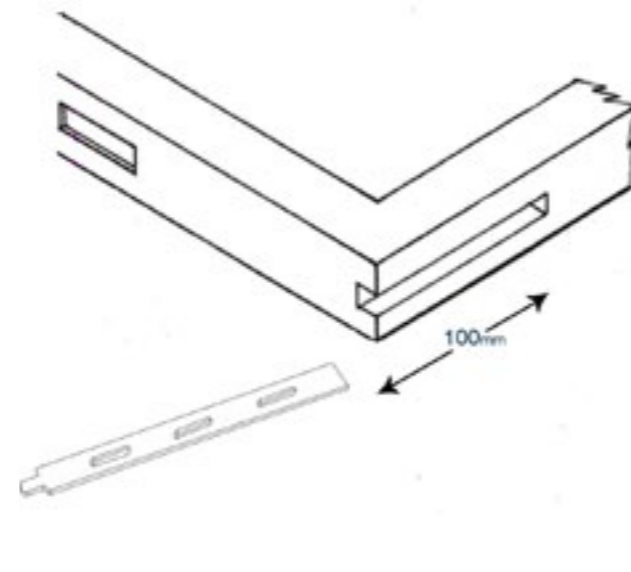
PVCu jamb channels are arranged in pairs in each jamb of the window frame. Positions can be tailored to suit differing performance and glazing requirements. Jamb channels can be flush or stepped. Stepped will improve the weatherproofing. Distance between channels depends on the sash thickness which can vary.



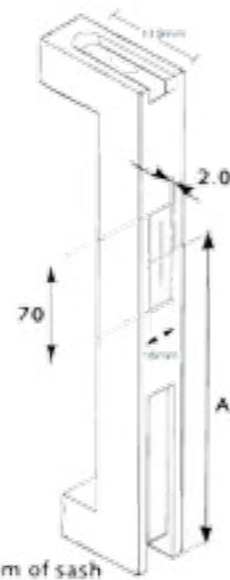
Prepare bottom corners of the top sash to receive sash channel and the short leg of the foot swivel as shown.



Prepare bottom corners of the bottom sash to receive sash channel and the short leg of the foot swivel as shown.



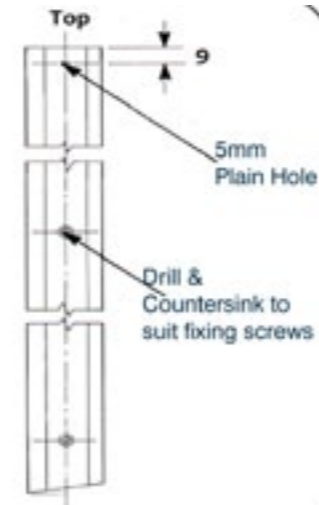
Prepare sash stiles to receive the stay assembly as shown in the table below for the correct 'A' dimension to suit the Safe T Tilt kit provided.



All dimensions in millimetres

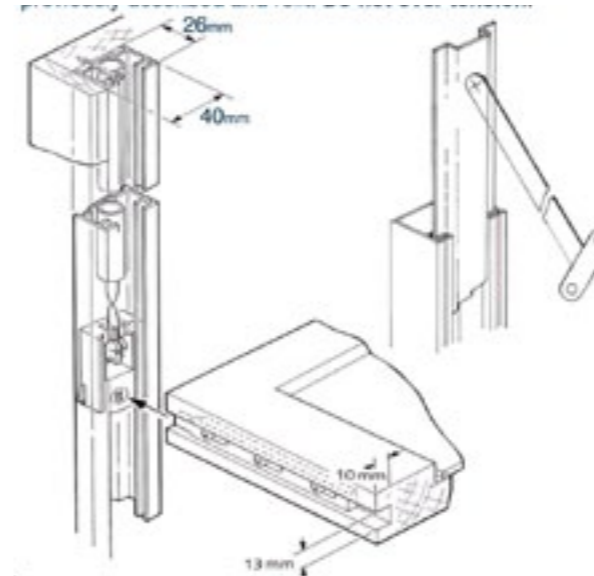
Sash Height		A Dim.
Min	Max	
483mm	558	170
559	812	190
813	1066	270
1067	170	360

Cut the jamb channels to length and drill to suit fixing as shown. Channels should run the full length of the sash run.



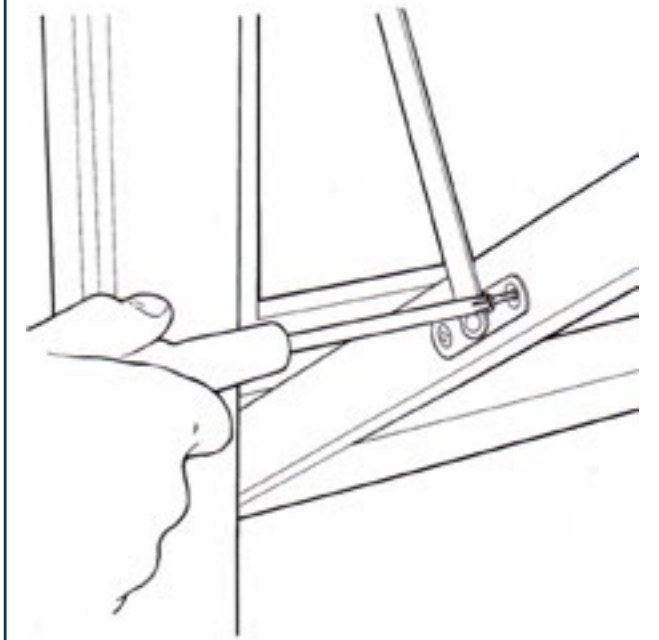
A) Installing Sashes- Slide the tilt shoe into end of the channel and fix channel frame jamb. Insert balance and PVCu windows refer to the system manufacturers workshop manual.

B) Balancing Sashes- Adjusting balances. Thread spiral rod upwards into the tube by revolving anti-clockwise, left hand turn as viewed from underside. Using the hook tool provided, pull the spiral rod downwards about 200mm without rotating. Now apply adjustment turns in an anti-clockwise direction. The number of turns will depend on the sash weight. Refer to adjustment charts for the number of turns to be applied. Return the spiral rod upwards without rotating and engage the pin in the pivot shoes as shown, ensuring that the upper most pin is fully engaged behind the metal ears of the shoe. Repeat adjustment for other balances.



Installation of Sash





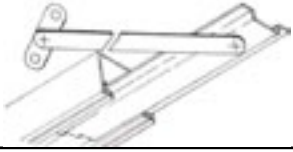




Tilt the sash upwards to approximately 45° so that the free end of the stay assemblies can be fixed using no. 8x25 wood screws in the prepared positions on each side of the sash.



- 1) Move both sashes to a point at which their top rails can be firmly held with both hands.
- 2) Operate both guide catches on the lower sash.
- 3) Hold the top rail of the lower sash firmly with both hands, as close to the sash stiles as possible maintaining a slight downward pressure, tilt the sash inwards to the limit of the restrictor arm.
- 4) Clean the sash glass either from the side or by reaching over the top rail.
- 5) Repeat the above with the top sash.
- 6) Retaining slight downward pressure, return first the top sash to the vertical position and relocate the guide catches. Then return the bottom sash and relocate guide catches. During these operations ensure that the bottom rail of each sash to ensure that the guide catch is located properly.

DO NOT USE SILICON SPRAY.

Safe T Tilt- Check list of items supplied

Description	Quantity per Window	
Spiral Balance- Supplied Seperatly	2	
Jamb Channel- 2140mm	4	
Pivot Bar Bent for top sash	2	
Pivot Bar Straight for bottom sash	2	
Stay Assembly	4	
Pivot Shoe	4	
Guide Catch	4	
Sash Travel Stops (supplied in 1m lengths)	4	
Brush Carrier 1x 2200mm	1	
Brush Seal 1x 25m Reel	1	