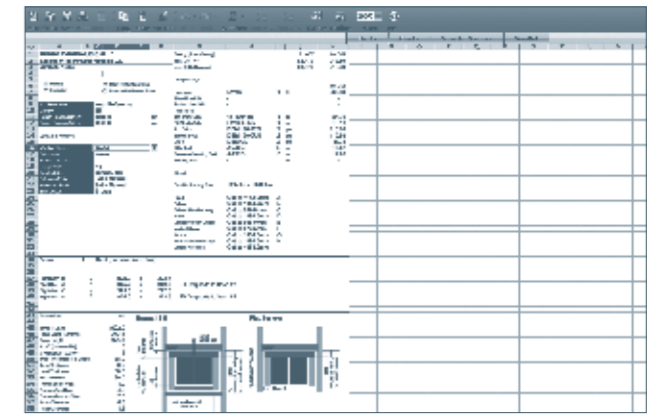


#### Windowcalc XL spreadsheet

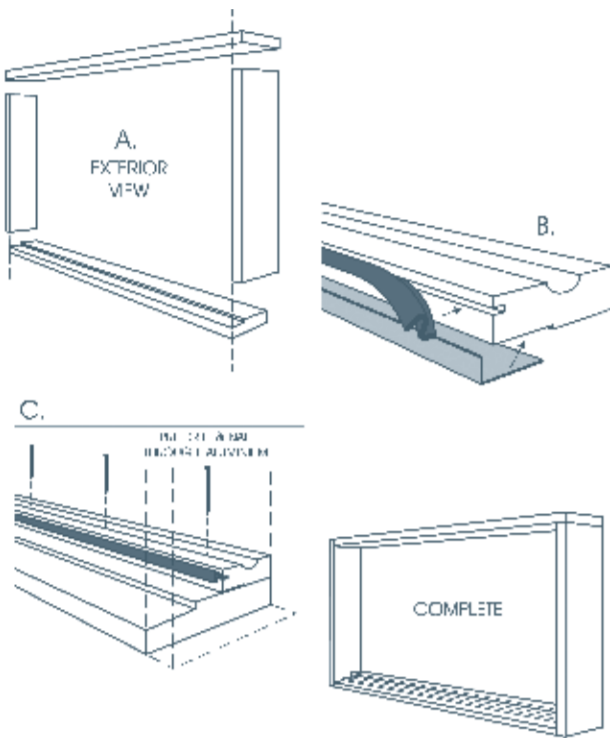
Centor Windowcalc XL is designed for the EW folding system with integral flyscreen. Windowcalc will operate on any system running Microsoft Excel 2000 or later.

Find the Windowcalc on the EW page visit [www.centor.com.au](http://www.centor.com.au)



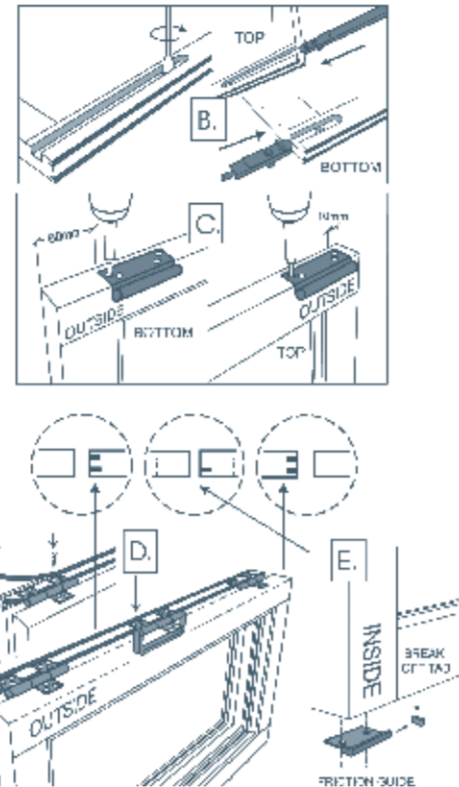
### 1. FRAME

(illustrations typical of a 2 left, 2 right configuration)



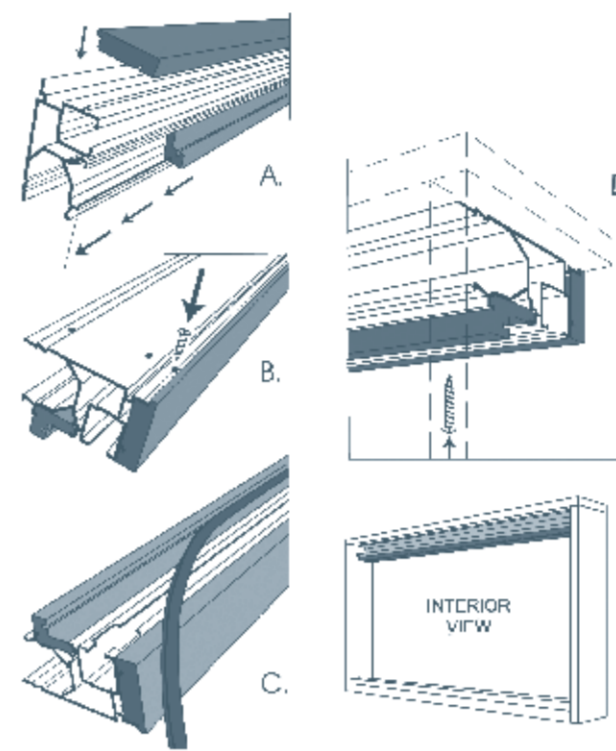
- Screw the frame together.
- Insert the seal (AQ21) and friction guide.
- Nail through the aluminium friction guide to secure the sill stop.

### 2. SASHES



- Lay out the sashes to determine seal and dropbolt locations. (see Detail Section over)
- Route and drill for the dropbolts.
- Predrill for the carrier hardware.
- Install the hinges and insert the seals.
- Affix the friction guides.

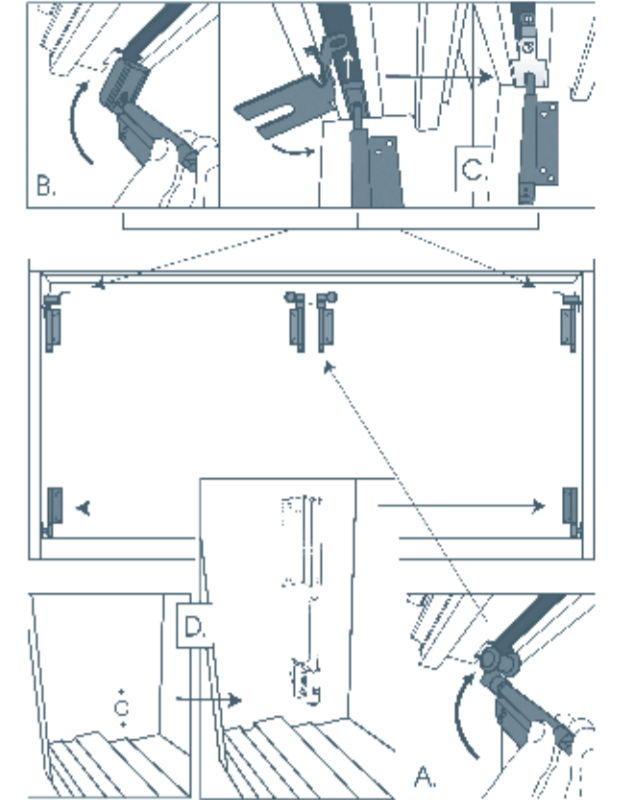
### 3. TRACK



- Insert timber Head Stop and Face Board into predrill track.
- Fix the Face Board.
- Insert the seal (AQ21).
- Fix the track into the frame.

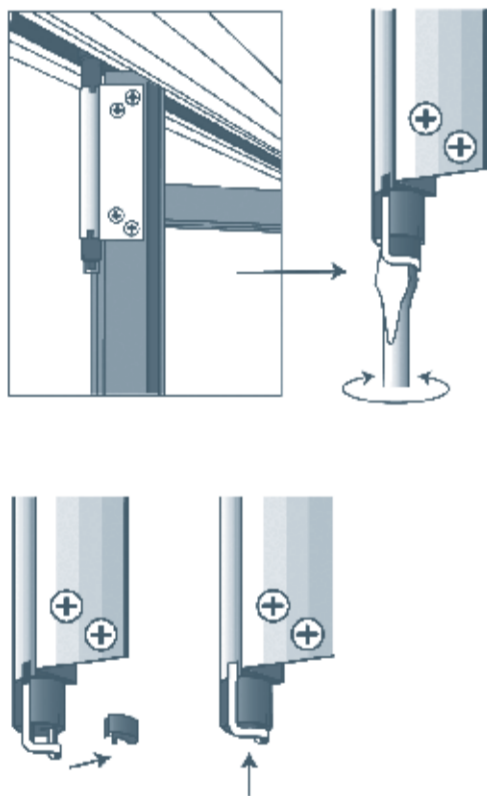
**note – clean track of drill shavings before installing hardware**

### 4. HARDWARE



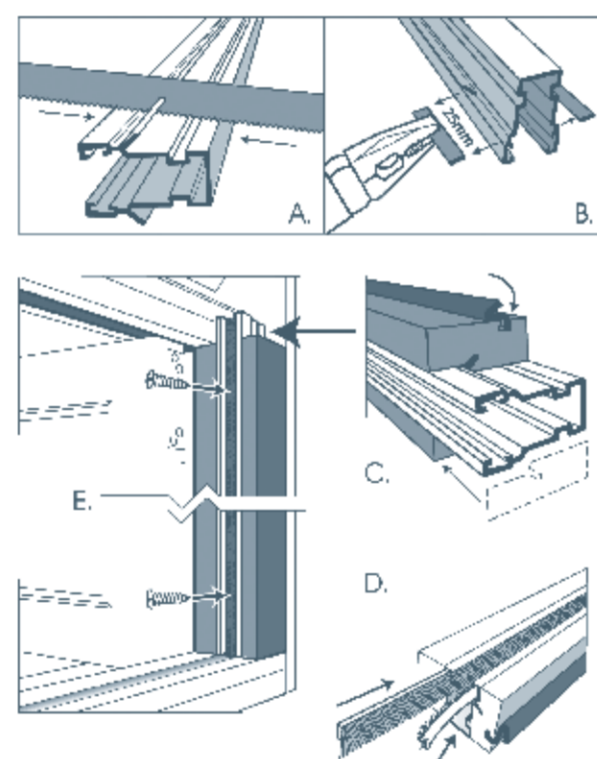
- Pass all hardware through the track cut out.
- Install Top Pivot.
- Secure Top Pivot Block with bracket.
- Drill diameter 13 hole (see over) and secure Bottom Pivot.

### 5. SURELOCK ADJUSTMENTS



Adjust the window using the Surelock System.

### 6. SCREEN GUIDES



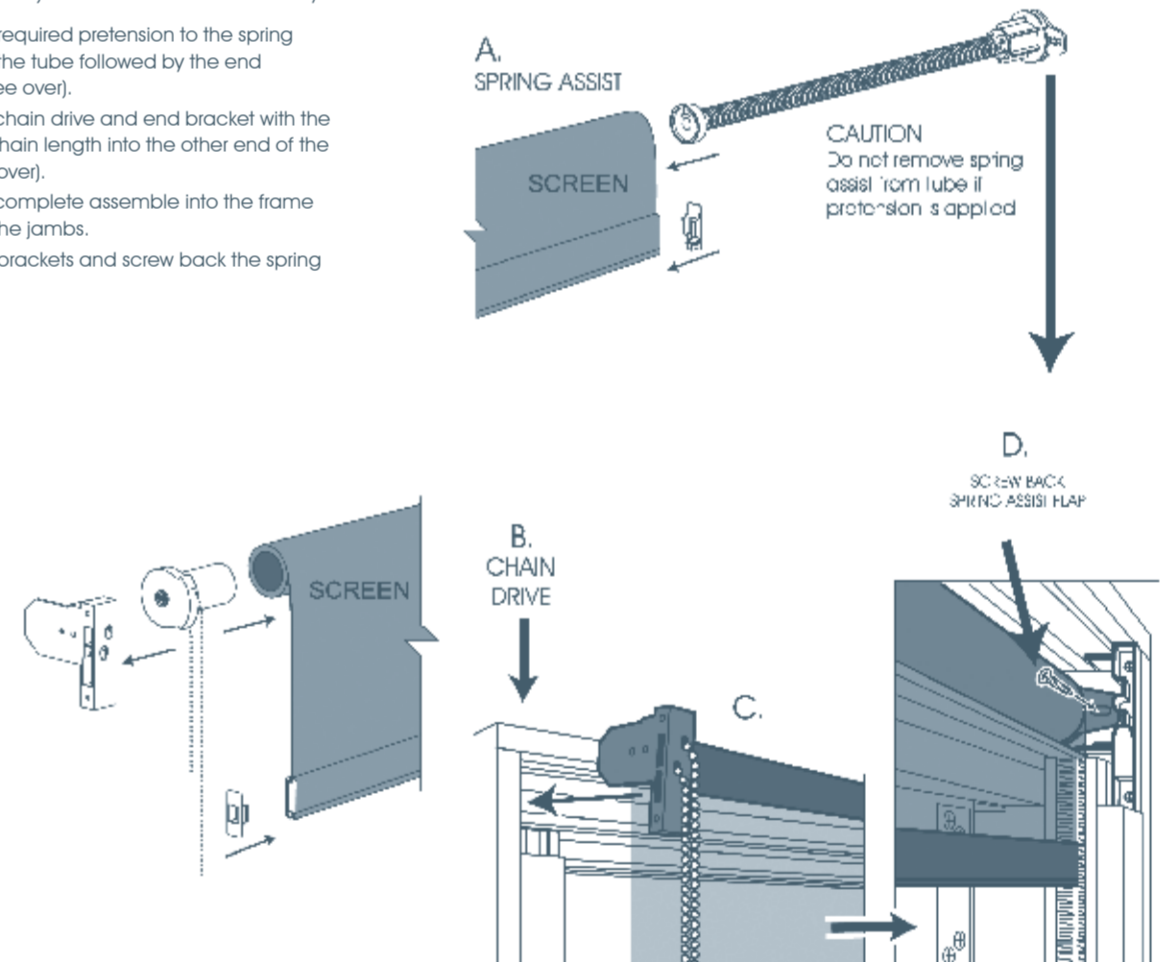
- Trim the 'wings' on the guide.
- Snap the 'wings' off.
- Insert seal in the stops (AQ21).
- Insert 'mohair' seals into guide. (longer hair to the inside)
- Fix complete guide to frame.

### 7. SCREEN

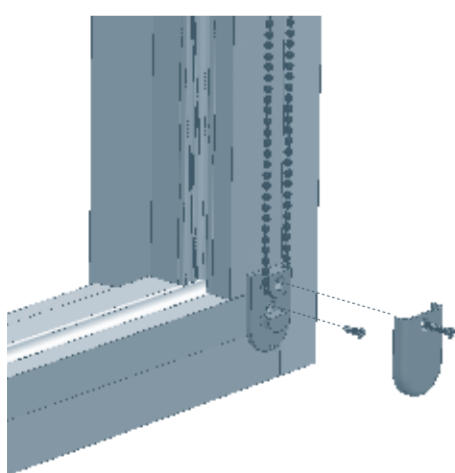
#### RH illustrated

Trim the screen tube to length (inside jamb dimension 34mm) with an aluminium blade only.

- Apply the required pretension to the spring assist into the tube followed by the end bracket (see over).
- Insert the chain drive and end bracket with the required chain length into the other end of the tube (see over).
- Insert the complete assemble into the frame between the jambs.
- Fix off the brackets and screw back the spring assist flap.



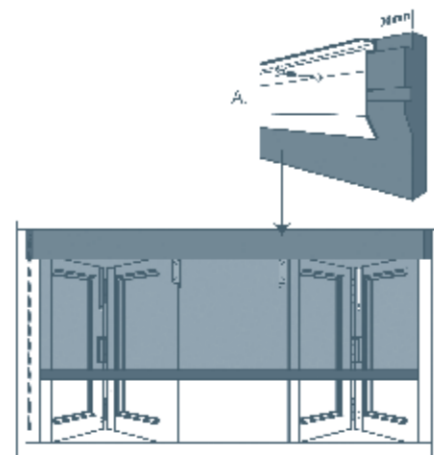
### SCREEN – WARNING



To avoid creating a possible strangulation hazard for children, this corded internal window covering must be installed in such a way that a loose cord cannot form a loop 220mm or longer at a height of less than 1600mm above floor level. See suggestions below:

- A cord guide may be installed lower than 1600mm above floor level if the cord is sufficiently secured or tensioned to prevent a loop 220mm or longer from being formed;
- A cord guide is installed lower than 1600mm above floor level if it must be designed to prevent a child from being able to remove the cord;
- If a cleat is used to secure the cord it must be at least 1600mm above floor level because a child is capable of unwinding a cord from a cleat.

### 8. FIT PELMET



- Fix pelmet backing to pelmet and insert into frame.

### FIXING DETAILS

Glass	4mm Float
Sealant	1 part Polyurethane
Glazing Sealant	Acrylic
Sash Joint Glue	2 pack PVA
Nails	37.5 x 1.2 @ 400 cnts
Screws	
Frame Joints	10# x 2 1/2" CSK
A	10# x 2" PAN@300 cnts
B	8# x 1" PAN@400 cnts
C	10# x 2" PAN
D	6# x 3/8" PAN@400 cnts

### MAINTENANCE

Hardware in buildings is subject to deterioration from everyday use, and also from environmental attack due to atmospheric and other conditions. Maintenance of hardware is even more important in severe environments such as coastal marine areas, and some industrial areas. Even stainless steel products require maintenance to prevent deterioration in some environments. Centor Architectural requires the following minimum maintenance otherwise warranty may be void.

#### Track and bearings

Using a spatula or similar (not your finger), apply a small amount (typically a 1/4 teaspoon) of white petroleum jelly (Vaseline) or similar lubricant to the inner lip of each side of the track. Ensure that the wheels pass through the lubricant and it is distributed evenly along the track. Put additional lubricant around bearings. Lubricant reduces wear, improves smoothness and further protects against corrosion of track and bearings. Stainless-steel bearings are manufactured from hardening-grade stainless-steel and although this material performs considerably better than plated steels, it is still susceptible to corrosion unless maintained adequately.

#### Hangers, pivots and brackets

A light spray application of a corrosion preventative such as CRC Marine 66, Innox or WD40, followed by a light wipe with a dry cloth to remove excess, is recommended to all componentry. Exposed surfaces should first be wiped down with warm soapy water and a soft rag, and then rinsed clean and dried before applying preventative.

#### Hinges

Wipe down the visible surfaces with warm soapy water on a soft rag and then rinse off by wiping with a clean damp rag. Application of a thin film of a light machine oil or one of the corrosion preventative sprays mentioned above will help to maintain the original lustre of the metal finish. Be careful not to get these compounds on the timberwork itself as they may cause staining.

#### Dropbolts

Spray application of a suitable lubricant such as CRC Marine 66, Innox or WD40 to the sliding pin inside the bolt and to the lock cylinder is recommended. A tube attached to the nozzle will help to concentrate the spray where you want it to go. There are access holes or slots on all

dropbolt products so that this can be done without removing the locks from the doors.

#### Solid brass

Polished solid brass is supplied as a natural, unlaquered finish. The finish can either be left to develop a naturally aged patina or polished with any commercial brass polish.

#### Frequency

The procedures mentioned above need to be carried out as often as is necessary to prevent deterioration in the installed environment, however we recommend the following minimum frequency of application:

general environments	6 months
marine and industrial environments	3 months

#### Wood

The surface finish coating should be maintained in good condition on both internal and external faces. This can be achieved by regular cleaning with non abrasive cleaners and refinishing when breakdown of the coating occurs.

Initial finishing and refinishing must include all edges of doors including top and bottom. Steel wool or other metallic abrasives must not be used to sand cedar and other fine grain timbers. Use fine grit sandpaper or sanding blocks.

To avoid water staining, keep tracks and sash openings clean and free of leaves and other debris which may retain water. Ensure that the weep slots in windows and doors are kept clear to allow maximum drainage.

#### Screen

To clean screen, gently vacuum using brush attachment. Cord can be cleaned with warm soapy water.

Regular maintenance is required to all hardware, even stainless steel, otherwise manufacturer's warranty may be void.

