

## Making and fitting your Framed Screen (Kit codes 001-024 & 040-046)

Thanks for choosing our screen system.

We double check all orders before despatch but we would ask you to ensure you have all the components as per your fixing option below. If any items are missing please call us on 01628 481919

The first section of these instructions explains how to make and mesh the frame of your screen. You then need to turn to the relevant section for the fixing option you have chosen:

Hinge and Turn Buttons – page 7

Turn Buttons – page 10

Magnetic Strips– page 11

**If you are unsure at any stage please contact us. We are always happy to help.**

### Contents:

Lengths of Light Duty Frame  
4 per screen (kit 001 is the exception where there are 3 per screen)



Roll of Mesh, type as specified on your order



Push Fit Corners  
4 per screen



Length of Spline



Spline Tool



Mid-bar, only if kit 024 / 046 has been selected



A2 Screws to fit the mid-bar, 4 per screen, only if kit 024 / 046 has been selected

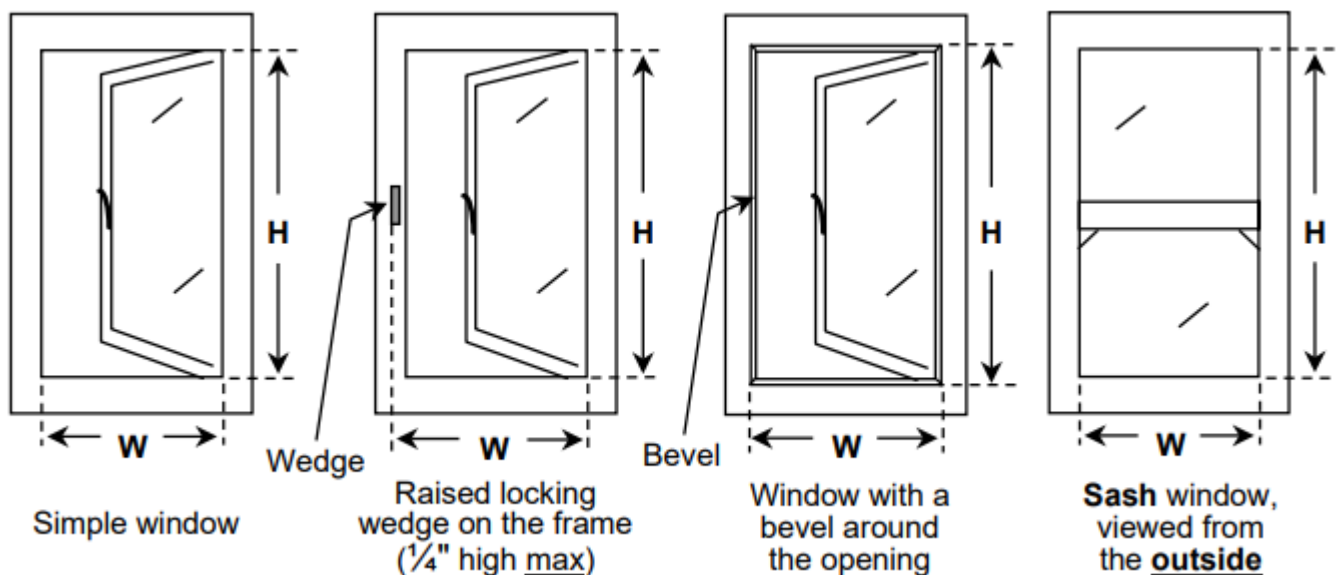


## Tools required:

- Tape Measure
- Pencil
- Hacksaw
- Mitre Box (if you have one)
- Mallet or hammer
- Flat headed screw driver
- Scissors
- Stanley Knife
- 2.5mm drill bit (for kits 024 and 046 only)
- 4mm drill bit (for kits 024 and 046 only)
- Countersink drill bit (for kits 024 and 046 only)

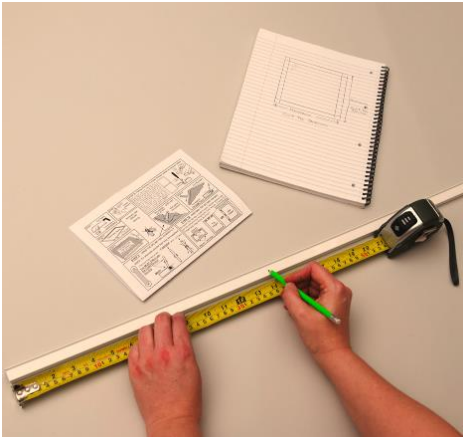
## Step 1 – Measuring your window.

Depending on the style of your window select the correct diagram below as a guide to measure your window opening.

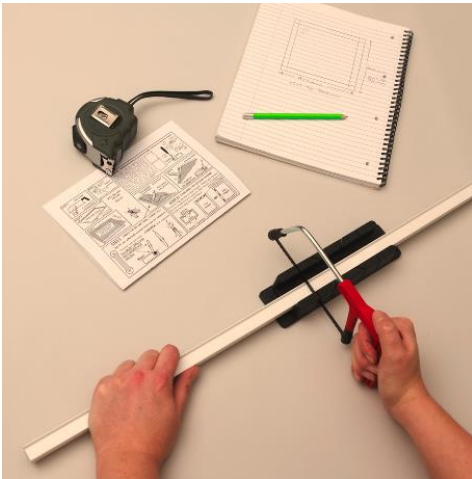


- The width (W) and the height (H) are the length of the pieces of frame you need to cut. Once the corners are inserted the outer dimensions of your frame will be 40mm larger so you need to take into consideration the width of the flat framework around your window and the room required for your fixings and make any adjustments. Depending on your fixing choice you will need to allow for the following next to your frame:
  - Hinges - 13mm.
  - Hinge lift off - 10mm (to your width or height depending on whether the screen is top or side hung).
  - Turn Buttons - 8mm (when using the turn buttons without hinges these can be fitted on all 4 sides of the screen or 2 opposing sides depending on flat space available).
  - Magnetic Strips - no additional room required.

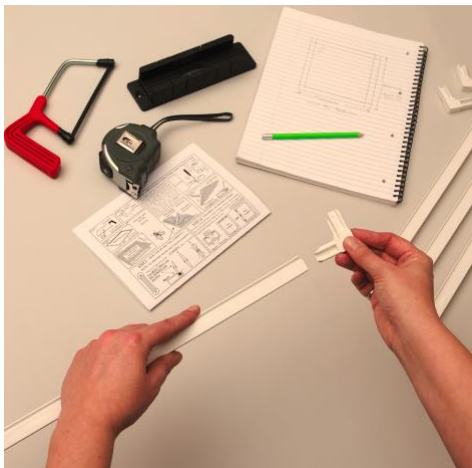
## Step 2 – Cutting and making your frame.



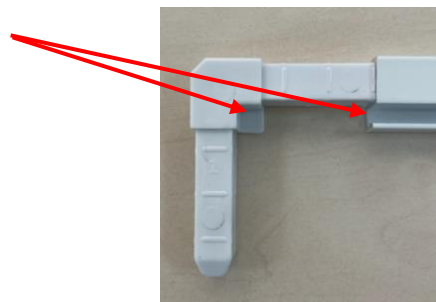
- Now you have your W & H dimensions you are ready to cut your frame. Take your frame lengths in turn, measure and mark with a pencil 2 lengths for the width and 2 lengths for the height. Use a square if you have one to ensure a straight line.



- After double checking your measurements, use a hacksaw and mitre box (if you have one) to cut each of the 4 pieces to the required length.



- Insert the corners into the frame. You will need a mallet or hammer to tap them into the profile. They are designed to be a tight fit to give you a solid frame but if you are finding the fit too tight you can rub the arms of the corners down lightly with a piece of sand paper.
- Ensure the corner is inserted the correct way around to give you a continuous channel running all the way around the screen.





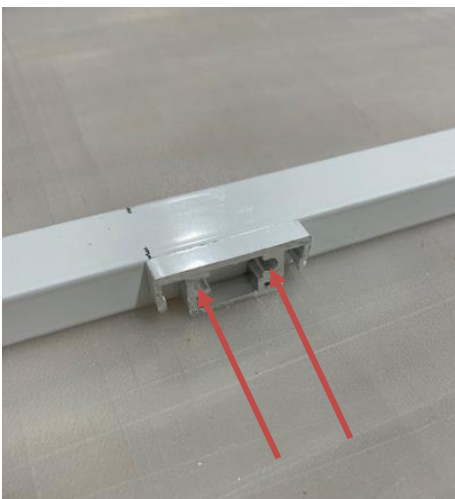
- Now your frame is made up, with the exception of the 024 & 046 kit you can move on the meshing stage. If you have either of these please see step 3 below.
- **Before you mesh your screen we recommend offering it up to the window to double check for size. It is much easier to alter at this point than further through the process.**

### Step 3 – Cutting and inserting the mid-bar (kit 024 and 046 only)

Kits 024 and 046 are supplied with an additional length of frame called a mid-bar. This is required on larger screens to provide additional strength and prevent the frame from bowing when meshed.



- The mid-bar sits in between the frame across the shortest dimension.
- Using the hack saw and mitre-box cut the mid-bar to the same length as you cut the frame to on the shortest side. To get this as accurate as possible you may choose to re-measure in-between the frame lengths on your screen.
- Position your mid-bar in the middle of the longest side to check it is a snug fit and then mark at one side with a pencil, both on the inside and outside of your frame as per the diagram below.
- Remove the mid-bar



- From the mid-bar frame left over, cut another small piece approx. 5mm long to use as a jig.
- Position the jig up against your pencil line.
- Mark the position of the holes (as per the red arrows) Do this on both the inside and outside of your screen.



- Using a drill with a 2.5mm bit, drill where you have marked on the inside through the middle of the profile.
- Do the same from the outside to the middle.  
**Tip:** You can drill from just one side all the way through the profile but the above ensures the holes remain straight so that you get the best result.
- Enlarge the holes with a 4mm drill bit.
- Repeat on both sides of the screen

- Use a countersink on the 4 outer holes

- Replace the mid-bar
- Screw the A2 screws provided into position

## Step 4 – Meshing your Screen



- Lay your frame down on a hard flat surface with the channel facing upwards.
  - Unroll your mesh and lay it over your frame.
  - Cut a piece from the roll which is about 40mm bigger than the screen on all 4 sides.
  - Meshing with some of the thicker meshes is a little tougher and you will need to apply pressure to push the mesh and spline into the channel.
  - If you have chosen the stainless steel mesh this requires a different process. Please see the additional instructions in your parcel
  - When meshing with a mid-bar you can either mesh over the mid-bar or treat the screen as 2 sections and mesh into the channel in the mid-bar.
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- Position the longest side of the frame closest to you, this is the side you need to start with. The aim is to get the mesh as straight as possible on the first 2 sides.
  - Try to keep the weave of the mesh in line with the frame, use the concave end of the spline tool first to locate the mesh into the channel.
  - Holding the spline tool in one hand and the spline in the other start to roll the spline down into the channel. Try to keep one smooth continuous movement.
  - When you reach the end of this side, turn the spline tool around and use the convex end to push the spline home.
  - Turn your screen around to work on the second side. Loop the spline around the corner leaving a little slack in the loop.
  - Then mesh the 2<sup>nd</sup> side as you did the first.
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- When the 2<sup>nd</sup> side has been completed you can go back to the corner and using a flat headed screw driver or the end of a pair of scissors push the spline down into the corner.
  - Continue in this way around sides 3 & 4. The mesh will naturally start to tension at this point. Try not to over tension as this will bow the framework.  
**Tip:** If necessary you can put a couple of heavy books in the middle of the screen to reduce the tension as you mesh.



- When you reach the end of the 4<sup>th</sup> side cut the spline with a pair of scissors and push the end down into the corner.



- Using a sharp Stanley knife, held at 45 degrees over the spline, start to cut the mesh against the outer edge of the frame. Use a smooth continuous movement and ensure your other hand is behind the knife in case it slips. Run the cut into the corner.
- Turn the frame as you cut each side.
- When finished you can run the convex edge of the spline tool round the screen one last time.

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## Adding your fixings.

In the following pages please find each fixing method with the components you should find in your kit and an explanation of how to fit each one.

### Hinge and Turn Buttons

#### Contents:

4 Hinge parts per screen for kits 001 to 003 and 6 Hinge parts for 005 and above



Hinge posts to match the number of hinges



4 No. 6 3/8"  
Screws for each  
hinge



2 or more Turn  
Buttons  
depending on  
the size of your  
screen



No. 6 1" Screws  
to match the  
number of Turn  
Buttons



1 Handle per  
screen



2 No 4 1/2"  
Countersunk  
screws per  
Handle



## Tools required:

- Spirit level
- Pencil
- Manual or power drill
- Drill bit – 2.5mm, suitable for drilling aluminium
- Posidrive 2 (for the hinge and turn button screws)
- Posidrive 1 (for the handle screws)

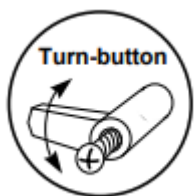
## Step 1 – Attaching the handle to your screen

- Consider the side and position of the handle on your screen. This should relate to ease of opening the screen. For example, if the window is side hung but high up or over some units you may wish to position the handle towards the bottom of the screen.
- Once the position is decided, use the handle itself to mark where the drill holes are required with a pencil or if you feel confident use the handle itself as a template for drilling but ensure you hold it firmly in place.
- Using a 2.5mm bit suitable for aluminium drill the 2 holes and then screw the handle into position using the No 4 1/2" Countersunk screws and a posidrive 1 screwdriver. Do not overtighten the screws.

## Step 2 – Attaching the hinges to your screen

- Assemble the hinges by slotting the pin into one of the hinge parts then slot the bottom half of the hinge on the other end.

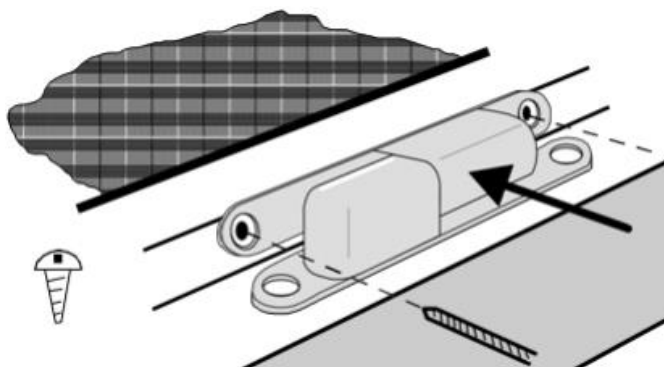




- Decide which side of the screen you wish to fit your hinges (depending on top or side hung) and consider the direction you want to lift the screen off the hinge, so that you fit the hinge the correct way around.

**Tip:** If you attach your hinge the wrong way around for the required lift off direction, simply unscrew, turn it around and re-fix into position.

- Lay your screen down on a hard surface, **spline side down**. The side of the screen you are fitting the hinges to needs to be about 2cm from the edge of the surface (so that you can reach it with the drill)
- Decide where to position the hinges. We would suggest about 10cm from either end of the screen to avoid the corners but it depends on the size of your screen. If your screen is larger and there is a 3<sup>rd</sup> hinge to fit position it centrally to the 2 outer hinges.
- Butt the made up hinge to the screen at the required position.
- Hold it firmly in place against the frame as indicated by the arrow below. Use a 2.5mm bit to drill the first hole and use the No 6, 3/8 screw to hold it in place using a posidrive 2 screwdriver, don't over tighten. Now repeat the process for the second screw and then the remaining hinges.



### Step 3 – Attaching the hinges to your window frame

- With the window open and with 1 of your hinges still fully assembled offer up the screen (a second pair of hands is useful here) and mark the 2 screw positions on your first hinge with a pencil. You may wish to use a spirit level to ensure the screen is straight but often levelling by eye is the best option.
- Using the 2.5mm bit drill the holes. Remove the hinge part from the screen and screw it into place using the No. 6 3/8" screws and a posidrive 2 screwdriver. Do not overtighten the screws.
- Now you have 1 hinge in place put the second hinge together, hang the screen on the first and mark the position to drill for the second hinge.
- Repeat the fixing process and hang your screen.

### Step 4 – Attaching the turn buttons to your framework

- With your screen now hung, decide where you wish to position your turn buttons. The shank should sit up against your screen so that the finger can turn across the frame to hold it closed.

- With the position decided, use your pencil to mark the drilling position around the shank cylinder.
- Using a 2.5mm bit drill a hole in the centre of the mark and then screw the turn button into position using the No. 6 1" screws and a posidrive 2. Do not overtighten.
- Repeat the process for each turn button.

## Turn Button Fixings

### Contents:

6+ Turn Buttons depending on the size of your screen



No. 6 1" Screws to match the number of Turn Buttons



### Tools required:

- Spirit level
- Pencil
- Manual or power drill
- Drill bit – suitable for drilling UPVC
- Posidrive 2 screwdriver

### Step 1 – Attaching the turn buttons to your framework

- With the window open offer the screen up (a second pair of hands is useful here). You may wish to use a spirit level to ensure the screen is straight but often levelling by eye is the best option.
- Decide where you wish to position your turn buttons on the first side. With your pencil draw a line against the frame at these positions.
- Remove the screen.
- The shank of the turn button should sit up against your screen so that the finger can turn across the frame to hold it closed. Now offer up the turn button next to the pencil line and create a mark around the shank.
- Using a 2.5mm bit, drill a hole in the centre and then screw the turn button into position using the No. 6 1" screw and a posidrive 2. Repeat the process for any additional turn buttons you have marked on this side of the screen.
- Offer the screen up again and turn the fitted turn buttons on to the screen. This will assist you to mark the turn buttons for the remaining side / sides.
- Repeat the marking and fixing process for the remaining sides.

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## Magnetic Fixings

### Tools required:

- Lint free cloth
- White Spirit or similar alcohol cleaner
- Tin snips or heavy duty scissors
- Spirit level

The length of magnet you receive will depend on your mesh selection. Please select your mesh option from the 2 sections below....

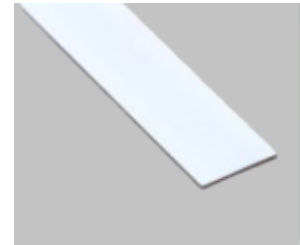
### for BetterVue Insect Mesh and Solar Screens

### Contents:

Length of Grey  
Magnetic strip  
(Magnetic pole A)



Length of White Steel Strip  
or Grey Magnetic Strip B  
(depending on the colour  
of your screen)



### Step 1 – Attaching the magnetic strip to your screen

- Lay your screen down on a flat surface **spline side up**. This is the side to which you attach the magnetic strip.
- Using a pair of tin snips or heavy duty scissors cut the grey magnetic strip in half (If your screen is anthracite both strips will be grey). We suggest using the Magnetic strip A for your screen - identified by a totally smooth surface).
- Offer your screen up to the window frame and consider where you wish to position the magnetic strips on your screen. We would usually suggest the 2 shorter sides, but this may not be appropriate if your screen is very long and narrow or if the framework of your window is very narrow on those 2 sides.
- Once decided, peel the backing tape off the strips and position on the screen as required. If they are too long for the frame trim as necessary.

- Now take the white steel strip, or if you have an anthracite screen the magnetic Strip B (identified by a groove running down the length of the strip) and cut it in half. **DO NOT** peel the backing strip off but match it up with the strips you have already positioned and cut to the same length. The peelable strip should face upward. The magnetic pull should allow them to be positioned easily and neatly.

## Step 2 – Cleaning your framework.

- It is important that your window framework is totally clean and dry when you adhere the magnetic strips so once you have cleaned your frames we would suggest wiping them over with white spirit or an alcohol cleaner and a lint free cloth

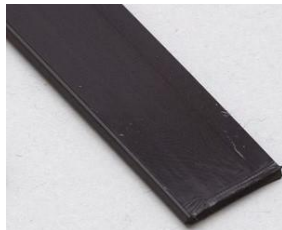
## Step 3 – Positioning the screen and attaching the magnetic strip to your window frame

- You may wish to draw a pencil line round part or all of the screen once you have the positioning correct. You may also wish to use a spirit level to ensure the screen is straight but we find levelling by eye is the best option.
- Once you're happy with the screen position peel off the backing strips.
- Open your window. Lift the screen up with the strips facing your window and line up your screen. Push the screen firmly on to your framework all around the screen.
- Carefully remove the screen leaving one the paired strips in place on your frame. Further press these strips into place along their length. Leave to 'cure' for about 20 mins before you start to use your screen.

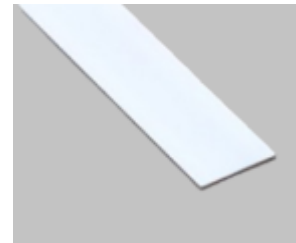
## for Midge Mesh, Pet Mesh, Pollution Mesh and Standard Insect Mesh

### Contents:

Length of Grey  
Magnetic strip  
(Magnetic pole A)



Length of White Steel  
Strip or Grey Magnetic  
Strip B (depending on the  
colour of your screen)



## Step 1 – Attaching the magnetic strip to your screen

- Lay your screen down on a flat surface **spline side up**. This is the side to which you attach the magnetic strip. The magnet will run all the way around your frame.
- Take the Grey strip. (If your screen is anthracite both strips will be grey. We suggest using the Magnetic strip A for your screen - identified by a totally smooth surface). Peel back about 20cm of the backing tape and starting at a corner stick it to the framework moving along the side and peeling off the backing as you go. Cut with a pair of tin snips or heavy duty scissors when you reach the end of that side. Working around the screen butt the next length up against the last and attach to the second side in the same way. Work your way around the screen until completed.
- Now take the white steel strip, or if you have an anthracite screen the magnetic Strip B (identified by a groove running down the length of the strip). **DO NOT** peel the backing strip off but match it up, letting it magnetise to the strips you have already positioned and cut to the same length. The peelable strip should

face upward. The magnetic pull should allow them to be positioned easily and neatly. Work your way around the screen and cut at the end of each side, butting the next side up to that.

## **Step 2 – Cleaning your framework.**

- It is important that your window framework is totally clean and dry when you adhere the magnetic strips so once you have cleaned your frames we would suggest wiping them over with white spirit or an alcohol cleaner and a lint free cloth

## **Step 3 – Positioning the screen and attaching the magnetic strip to your window frame.**

- You may wish to draw a pencil line round part or all of the screen once you have the positioning correct. You may wish to use a spirit level to ensure the screen is straight but we find levelling by eye is the best option.
- Once you are happy with your screen position peel off the backing strips.
- Open your window. Lift the screen up with the strips facing your window and line up your screen. Push the screen firmly on to your framework all around the screen.
- Carefully remove the screen leaving one of the paired strips in place on your frame and further press the strips into place along their length. Leave to 'cure' for about 20 mins before you start to use your screen.

**Your Installation is complete**