

Please read all information before you begin, some of the **tips and techniques** may save you a lot of **time** and **frustration** later on. These help sheets should be used in **conjunction** with the manufacturers instruction manual.

Safety:

- Some of the components in this kit may cause **injury** if not used sensibly. When handling any of the metal components and during glazing please take **care** and wear **gloves, goggles** and **ear protectors** when you judge necessary.



Toughened and Horticultural Glass

VERY IMPORTANT INFORMATION:

OUR TOUGHENED GLASS SIZES ARE DIFFERENT FROM THOSE SPECIFIED IN THE MANUFACTURERS MANUAL. OUR GLAZING PLAN CAN BE FOUND AT THE BACK OF THESE AMENDMENT SHEETS!

Please take extra **CARE** handling toughened glass. It is extremely vulnerable to **BREAKAGE** at the edges and in particular, the **CORNERS**. When you are **MOVING** it, please take care not to brush the **EDGES** of the glass against concrete etc.. as it can **SHATTER** or **BREAK** very easily. Likewise, it should **ALWAYS** be stacked on wooden bearers, or cardboard, or carpet, or anything to avoid direct contact with a hard floor.

Once the glass is installed into the frame the whole structure becomes much more **RIGID**.
The toughened glass in particular is very resilient to face on **DAMAGE**.

If you are unsure about anything to do with glazing your greenhouse please telephone us on **01782 388811**.

Preparation:

- Bear in mind that constructing your greenhouse can take some **time**, you may need to leave it and come back to it.
- The more **space** available in which to work the better, a large **clean, clear** garage floor is ideal or a **flat** lawn area.
- Tidy** your work space prior to assembly. This will reduce the chances of losing any of the smaller components. It is a good idea to find a tub for all your nuts & bolts etc...

Organising your components:

- On opening your main greenhouse box **DO NOT UNWRAP** any of the **labelled bundles** until they are required.
- Assess each component in accordance with the **parts list**.
- Separate like from like components.



Tools advise:

- You will **save** yourself a lot of time by **purchasing** a **10mm nut spinner** (see picture), it is much quicker and easier to use than a 10mm spanner (also pictured). You may have an attachment in a ratchet set that will suit this job.
- Other tools** that may be required are shown in the picture to the right.
- It is also a good idea to purchase a tube/s of **silicone**. This can be used throughout the greenhouse to stop any **leaks**. Help in this area is given on page 3 of these amendments.



Using the manufacturers manual:

- Read** the information relevant to each stage of construction immediately **before** you begin.
- Study** each drawing carefully before you begin each stage of construction.
- Remember** use these hints and tips **alongside** the manufacturers instruction booklet.

FRONT / REAR Gable End:

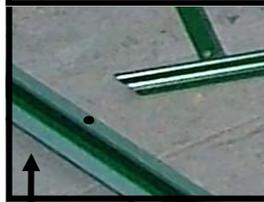
(See pictures)

- The first problem that you may have is distinguishing between your front and rear gable long curved bars; **1757, 1758, 1759, and, 1760**. The easiest way to distinguish between the two sets is that the front curves have a **pair of holes** above each curve where the rear has **single** bolt hole.

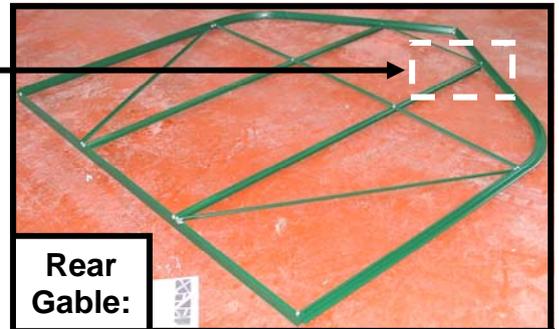
- Layout** all your components on the floor as in the manual.

- Check the **profile** on your vertical bars **1749, 1750, 1751, 1752**. Some bars have angled tops to allow for the pitch of the roof.

One hole



Adjust your bracings to ensure that they fit properly.



Rear Gable:

Roughly layout your components for each of the gable ends in turn to avoid any mix-ups.

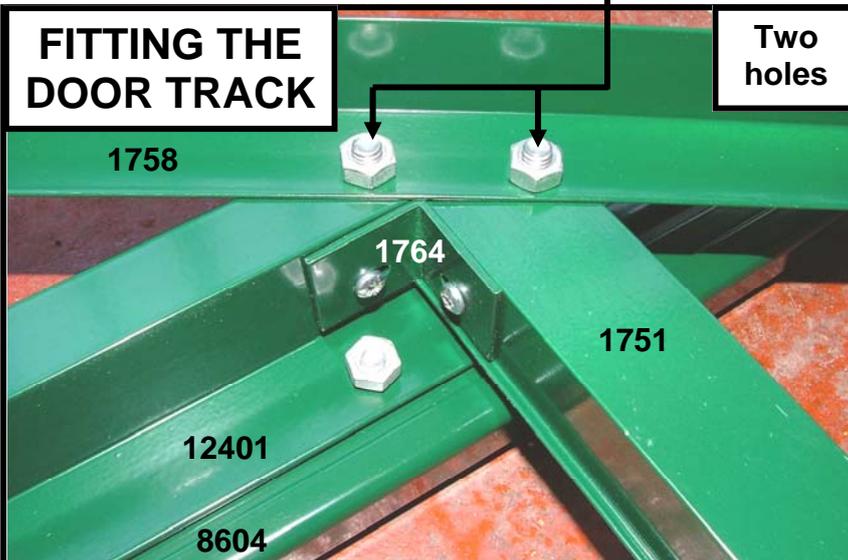


Front Gable:

IMPORTANT TO REMEMBER! DON'T MIX-UP THE FRONT / REAR GABLE CURVES!

FITTING THE DOOR TRACK

Two holes



In the picture above you can see how the two holes in the curved gable bar '1758' are used to attach the door frame verticals '1751' (shown) & '1752' and the door track support bar '12401'. One of the strengthening brackets '1764' is also shown in position.

DOOR SPACER ORIENTATION!

EE



These pictures shows how the door spacer is used to attach the door track support to the curved gable. The bolt must go in this way round so as not to interfere with the side glazing.

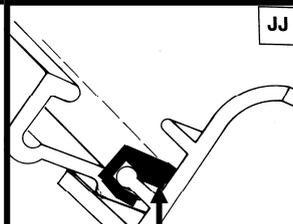
If you have any queries please do not hesitate to call us on **01782 388811**.

www.thegreenhousepeople.co.uk



BUILDING YOUR VENT!

A few pictures to help with vent assembly. The vent sections can be assembled in **two** ways depending on the thickness of your glass. **Rubber 411** shown in **MM** and **NN** in the manual can also be applied to the side bars of the vent to reduce the chances of the glass rattling. Silicone can also be added to avoid leaks.



JJ

RUBBER 411



DOOR ASSEMBLY:



The door is quite straight forward to assemble but it is essential that you get the components in the right position. Take your time to layout the components looking at the different profiles of each bar. The screws can be a bit stiff but will screw into place if they are inserted in line with the hole channel.

Erectors tip: If you have an **electric screwdriver** then it can come in handy here saving you some time. However be careful which setting it is on, **drill mode** is too powerful and can snap off the screw heads.

Inserting Door rubber (Spraying with WD40 will help):

The door rubber **333** is designed to be a tight fit so that it doesn't come loose while the door moves. The easiest way to get the rubber into the groove is to lie out the rubber along the vertical bar and using a **flat** screwdriver push the rubber into place **inch by inch**.

Erectors tip

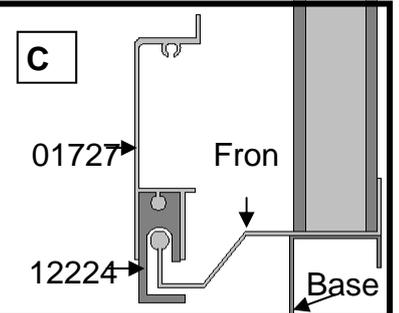
fig 10 / 11



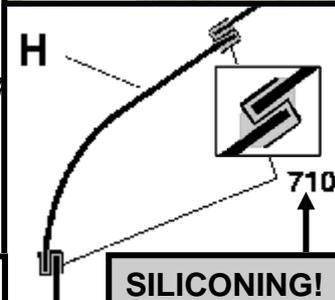
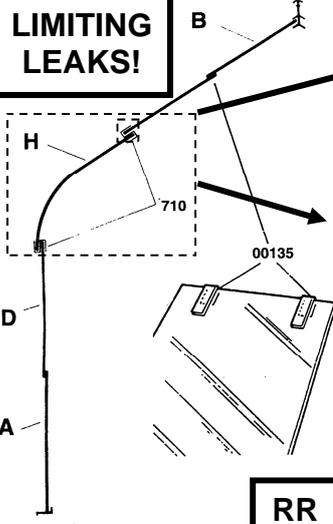
Bottom Door Guides 12224:

Many people try to run the black plastic door guides **12224** inside the channel in the front cill causing them to break and for the door not to run smoothly.

If you look closely at picture **CC** in section 5 of your manual the guides actually hook around the front of the cill, they should be visible if you look at the front of the building.



LIMITING LEAKS!



Glazing and Siliconing tips!

How to use your 710 acrylic joining strips:

Your supreme acrylic is covered both sides in a **protective film** which should be removed before glazing begins.

When inserting the acrylic sheets using the transparent strips **710** provided it is a good idea to run a bead of **silicone** (not supplied) down its length to limit any leaks.

If you are finding it difficult to bed the strips down onto the glass check that two or more strips aren't stuck together. You should only have one strip on the **top** and **bottom** of your acrylic pane. Notice how the panes **overlap** one another from the base up. This will encourage the rain to runoff and not seep in!

WIND DAMAGE

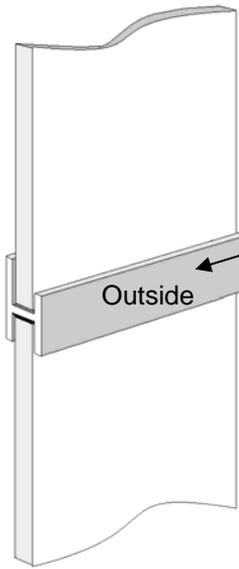


PREVENTION!

Siliconing: To help prevent your glass from being blown out during strong winds it is a good idea to apply some blobs of silicone (not supplied) **around** the glazing clips and the corners of each pane. This will greatly increase the **rigidity** of your greenhouse and help it resist more extreme conditions. In **strong winds** it is a good idea to shut roof vents and doors to prevent them being buffeted and bent out of shape.

ERECTORS TIP

Glazing Plan for AGL/Halls Supreme glazed with large pane TOUGHENED glass.

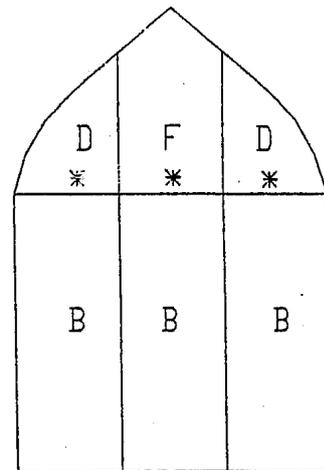
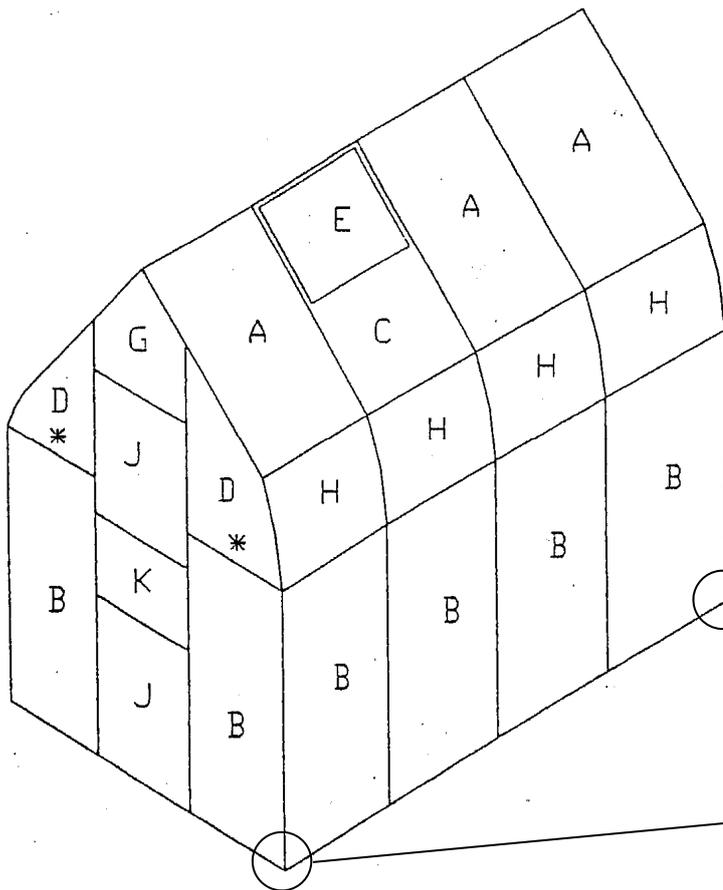


Important

Pictured left is the 2' long black plastic 'Muntins'. Use these strips where indicated on the diagram with an * to join together panes of glass.

Additional important note: If you have a 6 x 4 Supreme with a side louvre then it can only be positioned opposite the door in the rear gable of the greenhouse.

Sheet	Size (mm)	Qty in 6x8	Qty in 6x6	Qty in 6x4
A	610x895	7	5	3
B	610x1105	13	11	9
C	610x356	1	1	1
D	610x620 curved	4	4	4
E	600x545	1	1	1
F	610x836x636	1	1	1
G	610x217x19	1	1	1
H	610x466 plastic	8	8	8
J	610x610	2	2	2
K	610x300	1	1	1



Before glazing, a good tip is to silicone around the bottom of the corner bars and the joint of the metal base. You can also use a silicone sealant in the plastic joining strips which go each side of the plastic curves (H).



Alterations:

If you have added a Louvre window, remove 1 x pane B (610x1105) and substitute with 1 x pane 610x330, then the louvre, then another 610x330, You will also have 5 x louvre slats (573x100)

If you have added an extra roof vent, remove 1 x pane A (610x895) and replace with 1 x C (610x356) and 1 x E vent pane (600x545)

If you live in a windy spot, you can take extra precautions against wind damage by putting a blob of silicone (not supplied) on your W glazing clips, effectively gluing them to the glass and frame.

Helpful advice that will help prevent panes of glass blowing out in the wind!



Greenhouses with glazing that is held in with clips can be vulnerable in unusually high winds. Movement of the frames in wind sometimes results in clips slipping behind the glass and the glass can fall out.

After much feedback from customers about techniques that help prevent this happening, we have developed the following cheap, easy and extremely effective technique which makes a huge difference to the effectiveness of the glazing in your greenhouse. The technique involves using a clear silicone sealant (available from most DIY stores) to effectively 'glue' the clips in place. Place a strategic blob around the clips on each pane, joining the clip to the glass and frame with a blob of silicone.

We suggest that you apply the silicone to about 4 clips on the side and end panes (one each side at the top and one each side at the bottoms) The panes next to the corner bars are the most vulnerable so concentrate on these. You don't need a vast amount of silicone, just enough to cover the clip and join it to the frame. This stops it from moving.

The roof sheets are held in at the top by the metal ridge, so you only need to apply the silicon to the two clips at the bottom of the roof panes.

Pay particular attention to the joint of the triangular sheets of glass to the panes below, where the triangle sits into the black separator strip.



More Advice?

If you would like any more advice on this method, then feel free to give us a ring on 01782 388811 to talk it through.

Useful items which we can supply to help you:

Tube of clear silicone £4

Gun for the above £3

Extra clips (W style) £4.50 per 50

Extra clips (Elite folded steel sort) £4.50 per 50

Spare black 'muntin strips' £1.50 each

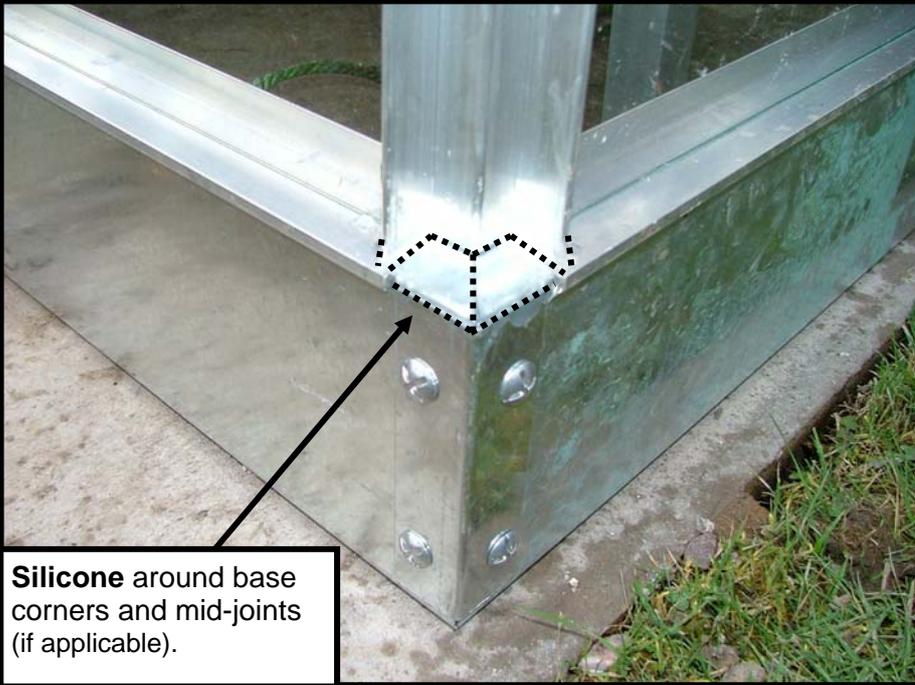
Glass by quotation

An appropriate (but fair) delivery charge will apply.



When inside your greenhouse you may notice a tiny shaft of light where the gutters (if applicable) and the ridge meet the gable end/s. This gap can also be filled with transparent silicone to avoid any leaking in these areas. It is also a good idea to silicone the corners of your base (if applicable) for the same reason.

Siliconing your base: (Silicone not supplied!)



Silicone around base corners and mid-joints (if applicable).

Apply **silicone** to the top of each base corner to minimise any water seeping in.

Also applying silicone all round the base of the corner side bars is a good idea creating an extra water barrier.

Black glazing rubber

There is a knack to applying the black glazing rubber to the frame.

1. Spray the bundle with WD40 or similar.
2. Unravel bundle fully and take out any twists.
3. Press the rubber onto either a glazing bar, corner bar or vent side.
4. Hold the end of the rubber and drag your thumb down the lubricated rubber sliding downwards and pushing onto the metal rib onto which the rubber locates.
5. Cut the rubber at the bottom of a run.
6. Repeat the process where required on the building.

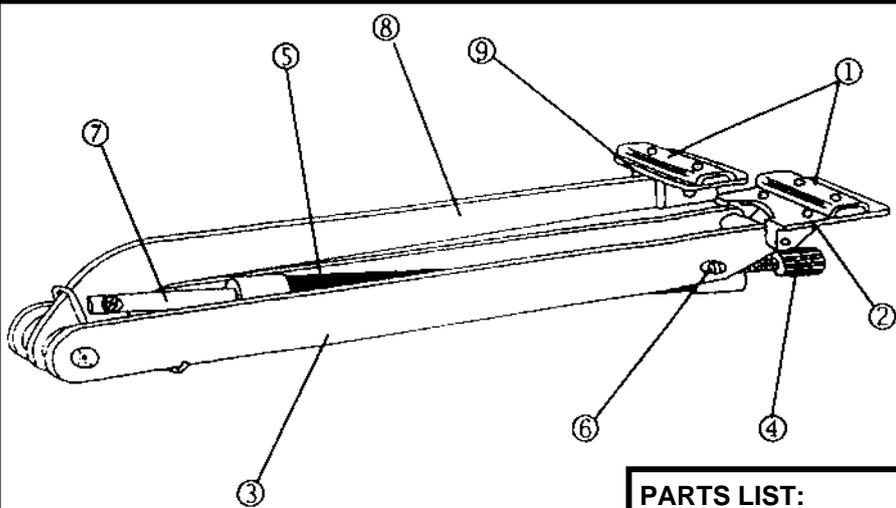


The rubber goes on the verticals of each pane, vent and door. It does not go at the top and bottom of a pane horizontally. However it does go on the top of the triangular gable panes at an angle.

Do not feel inclined to put the rubber under each of side panes between the glass and the cill, this will cause water to pool and create leaks!



OPTIONAL Auto Vent HELPSHEET
Please read ALL before you begin.



PARTS LIST:

- 1 Gripping Channels
- 2 Gripper
- 3 Lower Arms
- 4 Adjusting screw
- 5 Cylinder
- 6 Studs
- 7 Piston Rod
- 8 Upper Arm
- 9 Window Bracket

When fitting your 'Autovent (AV)' please consider the following in conjunction with the manufactures instructions.

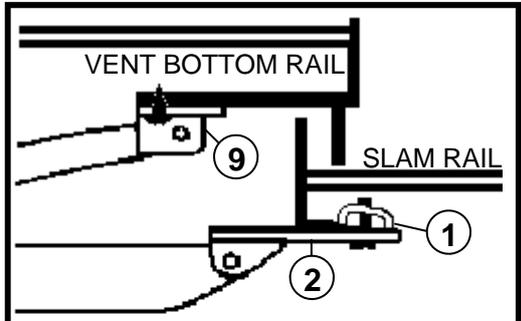
For your 'AV' to be most affective then it should roughly follow the pitch of the roof. The holes in the gripper allow for some adjustment.

The 'AV' is supplied with numerous fittings to accommodate various aluminium and wooden greenhouse models.

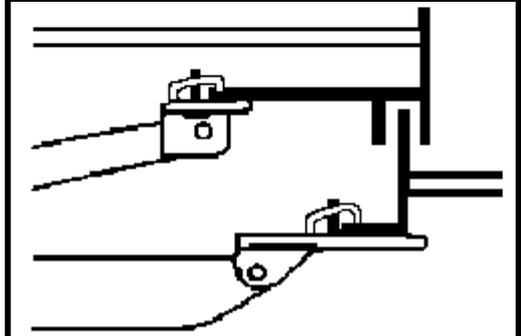
IMPORTANT: In aluminium models with pre-punched holes in the vent slam bar the 'AV' is designed to clamp onto the slam bar lip. It is **NOT** designed to use the holes which are punched.

General fitting: (see options on the right, plus full instructions on the manufacturers sheet.)

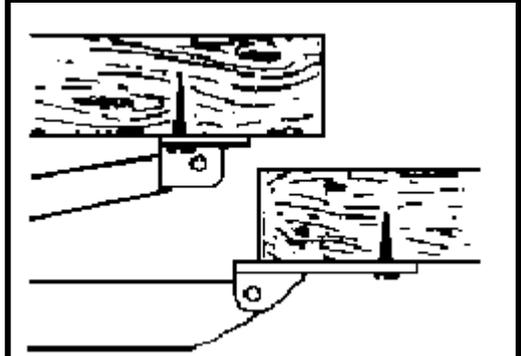
1. Simply clamp the upper arm to the middle of the vent bottom rail via the window bracket (9).
2. Move the 'AV' to best follow the pitch of the roof.
3. Attach the bottom gripper (2) through the holes best suited to your greenhouse model.



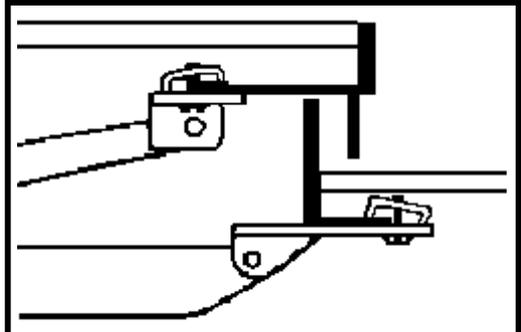
Screw and Clamp option



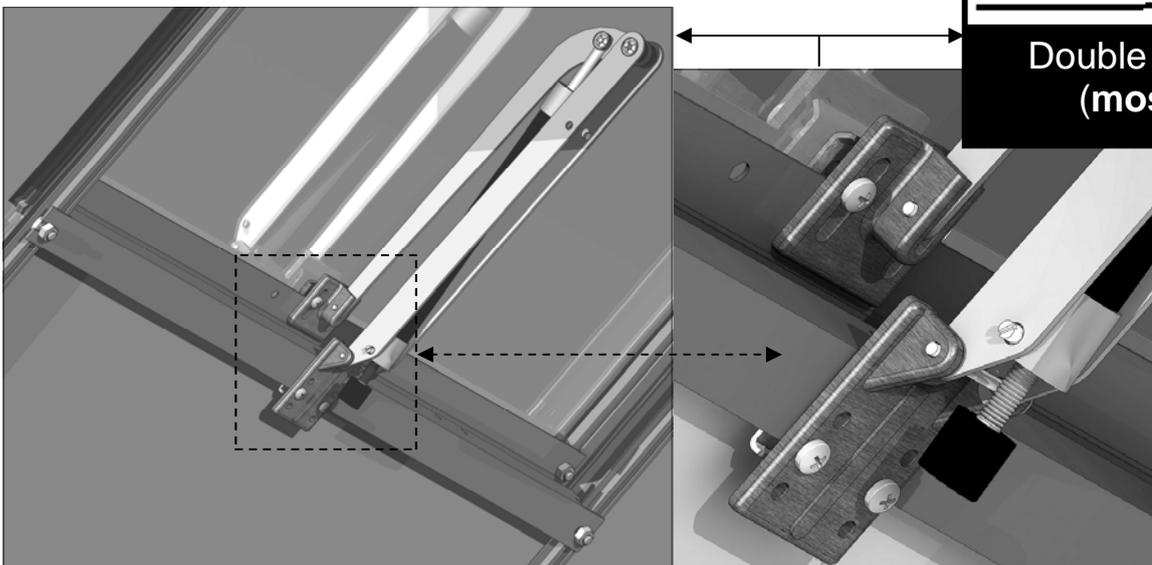
Double Clamp option 1



Double Screw option



Double Clamp option 2
(most common)



If you have any quires please do not hesitate to call us on
01782 388811.
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BASE DIMENSIONS:

THE FOLLOWING DIMENSIONS ARE THE EXACT EXTERNAL BASE DIMENSIONS FOR THE AGL, Eden, AND ELITE RANGE (pto).

All sizes are the external measurements of the metal base, or the external brick measurements where no metal base is used.

THE FOLLOWING OPTIONAL BASES ARE 30mm IN THICKNESS.

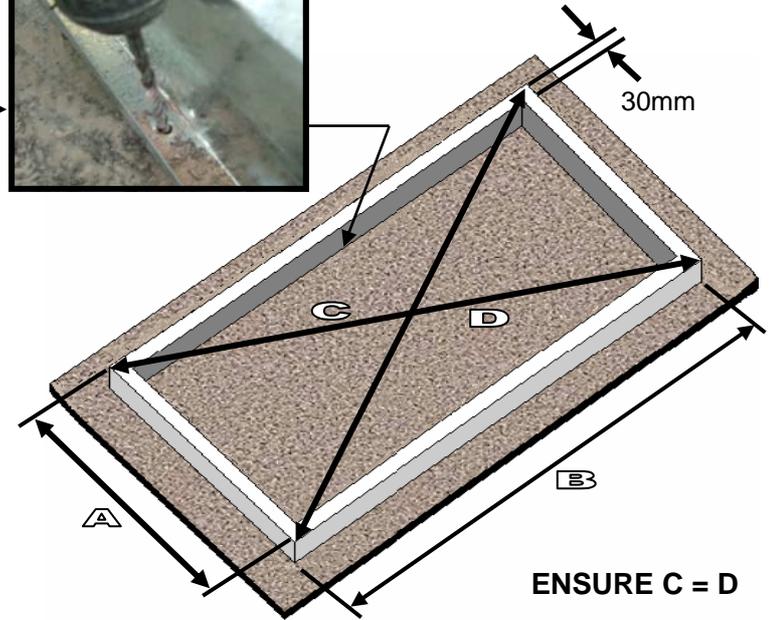
If doing a brick base (i.e. not using a metal base) please use a solid brick with no frogs or holes.

Give yourself enough room around your base to allow you to anchor the base into the ground.

IMPORTANT: Do not anchor your greenhouse down until it is fully assembled including glazing unless you are 100% sure your base is square and level. If not your glass will not fit properly.



OVERLAPPING CILLS DEMONSTRATES THE NEED FOR ACCURACY WHEN BUILDING BRICK BASES.



Base sizes for AGL greenhouses.

MODEL	WIDTH A (mm)	LENGTH B (mm)
POPULAR 6 X 4	1920	1298
POPULAR 6 X 6		1920
POPULAR 6 X 8		2542
POPULAR 6 X 10		3164
SUPREME 6 X 4	1920	1298
SUPREME 6 X 6		1920
SUPREME 6 wide X 8		2542
SUPREME 8 wide X 6		1920
SUPREME 8 X 8	2542	2542
SUPREME 8 X 10		3164
SUPREME 8 X 12		3786
SUPREME 8 X 14		4408
MAGNUM 8 X 10	2560	3182
MAGNUM 8 X 12		3804
MAGNUM 8 X 14		4426
WALL GDN 2 X 4	620	1300
WALL GDN 2 X 6		1925
TRAD LEAN / TO 6 X 8	1730	2519
TRAD LEAN / TO 6 X 12		3755
TRAD LEAN / TO 8 X 10	2195	3137
TRAD LEAN / TO 8 X 12		3755
SILVERLINE 6 X 8 L/TO	1952	2635
SILVERLINE 6 X 10 L/TO		3257
SILVERLINE 6 X 12 L/TO		3880
EUROPA 4 X 8 L/TO	1286	2543

Base sizes for EDEN greenhouses.

MODEL	WIDTH A (mm)	LENGTH B (mm)
ACORN 6 X 4	1919	1224
ACORN 6 X 6		1842
ACORN 6 X 8		2460
ACORN 6 X 10	1895	3078
HIDCOTE 6 X 8		2533
HIDCOTE 6 X 10		3150
BODNANT 8 X 8	2512	2533
BODNANT / HIDCOTE 8 X 10		3150
BODNANT / HIDCOTE 8 X 12		3767
BODNANT 8 X 14		4384
BODNANT 8 X 16		5001
BODNANT 8 X 18		5618
BODNANT 8 X 20	6235	
SHERBORNE 9 X 10	2734	2958
SHERBORNE 9 X 12		3676
SHERBORNE 9 X 14		4394

FOR GARDENER MODEL REFER TO EDEN BROCHURE.

Please turn over for the ELITE RANGE.