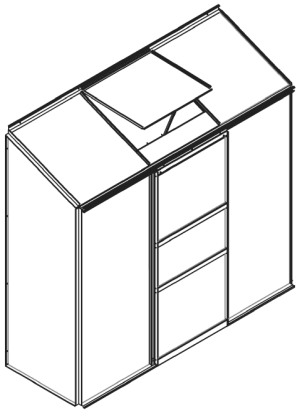
Greenhouse Stores

ASSEMBLY GUIDE

Ida 900

2x4 Vitavia greenhouse



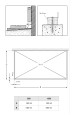
7
steps, base first

2
people needed

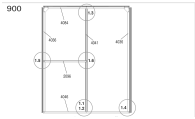
653 mm × 1300 mm
base size (A × B)

Online version with every size: www.greenhousestores.co.uk/instructions/vitavia-ida-900-1300-polycarbonate/

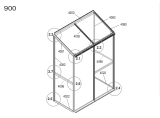
The build at a glance



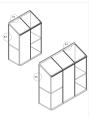
0
Prepare the base



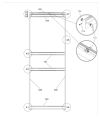
1
Build the front wall



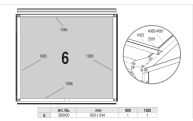
2
Build ends and roof



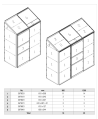
3
Fix to the house wall



4
Build and hang the door



5
Build and fit the vent



6
Fit the panes

Drawings: Vitavia (Vitavia manual 003.01.1101 (Ida 900 and 1300, polycarbonate)). Words and layout: Greenhouse Stores, greenhousestores.co.uk. Keep this guide with your greenhouse.

READ THIS FIRST

Before you start

Six golden rules

1. Build frames loose. Tighten only when the whole greenhouse is square on its base, with both diagonals equal.
2. Do not overtighten nuts and bolts.
3. Fit extra bolts when instructed. Each roof glazing bar needs one for the roof vent.
4. Before fixing to the house wall, make sure the sides are perfectly vertical.
5. Build with two people.
6. Do not force any part or pane that will not fit.

Get ready

- [ ] Read the whole guide once before you start.
- [ ] Gather flat/PH2 screwdrivers, 10 mm socket spanner/wrench, 10 mm combination spanner, knife, tape measure, spirit level. Set cordless drill adjustable torque low.
- [ ] Wear gloves, safety glasses, sturdy shoes and a hat. Aluminium edges are sharp. Clear up broken glass straight away.
- [ ] Open one bundle at a time and keep opened bundles apart. Mixed bundles are the main cause of lost-part searches.
- [ ] Check every part against the parts check pages. Contact Greenhouse Stores before you begin if anything is missing.
- [ ] Read single-frame drawings as views from inside the greenhouse. Read double-frame drawings as views from outside.
- [ ] Choose a sunny spot with as much shelter from wind as possible.

Read next: 10 common greenhouse installation mistakes (and how to avoid them)

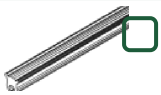
Single frame: inside view Double frame: outside view

BEFORE STEP 1

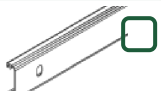
Parts check

Open one bundle at a time. Tick each part as you find it. The number in green is how many your Ida 900 should have.

Bars and profiles



1020
Glazing seal (reel)
22000 mm **×1**



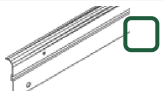
1059
Upper bar
621 mm **×1**



1060
Door bar
621 mm **×1**



1061
621 mm **×2**



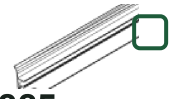
1062
Door bar
613 mm **×1**



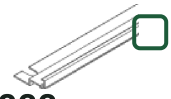
1063
Window sill
635 mm **×1**



1064
Vent top bar
602 mm **×1**



1065
Vent side bar
520 mm **×2**



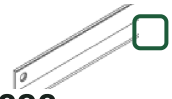
1066
Vent bottom bar
602 mm **×1**



1067
Window opener
295 mm **×1**



1092
Corner plate
120 mm **×4**



2096
619 mm **×1**



4021
Door seal
1484 mm **×2**



4022
Sill bar
614 mm **×2**



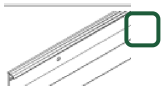
4036
1506 mm **×2**



4041
1506 mm **×1**



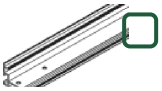
4046
1240 mm **×1**



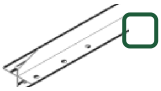
4050
Ridge bar
1240 mm **×1**



4055
Roof glazing bar
655.5 mm **×1**



4058
Side bar
1484 mm **×2**



4080
Gable end bar
678.5 mm **×1**



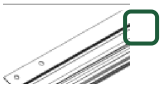
4081
Gable end bar
678.5 mm **×1**



4082
Vertical wall bar
1754 mm **×1**



4083
Vertical wall bar
1754 mm **×1**

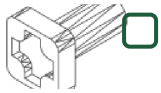


4084
Eaves door track
1240 mm **×1**



4096
596 mm **×2**

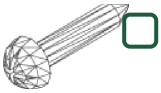
Fixings and small parts



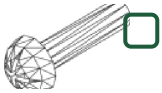
1001
Bolt
M6 × 12 **×49**



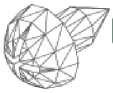
1002
Nut
M6 **×50**



1003
Screw
3.5 × 16 **×16**



1004
M4 × 16 **×2**



1006
Screw
3.5 × 6 **×6**



1007
Nut
M4 **×2**



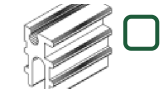
1009
Washer
Ø8/4 **×2**



1011
Glazing spring clip
70 **×75**



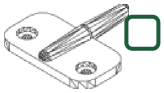
1012
Glass retaining clip
11 **×22**



1014
Door glider
20 **×2**



1015
Door roller
Ø22 **×2**



1016
Window fixer
40 **×2**



1019
Plastic cap
15 **×1**



1111
Door fixer
37 **×1**



1112
Door fixer
7.2 **×1**



1113
Door fixer
26 **×1**



2001
Corner bolt
M6 × 12 **×1**



2002
Screw
4.8 × 38 **×11**



2003
Wall plug
Ø8 **×11**

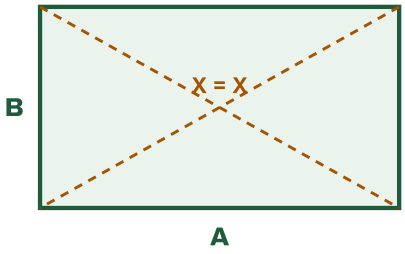


7395
Washer
Ø6.2/12 **×5**

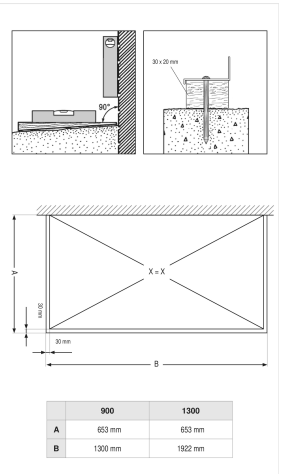
STEP 0

0 Prepare the base

Start with an exactly square, level base at 90 degrees to the house wall.



	IDA 900
A	653 mm
B	1300 mm



Vitavia drawing 0. The circled numbers match the pictures below.

INSTALLER TIP

Use ground spikes or anchor legs only in soil. On concrete or paving, bolt down with suitable fixings; use one method, not both.

WATCH OUT

If the base is not square and level, the frame above will not be either. Panes will not fit an out-of-square frame.

0.1

Measure both diagonals and check they match, as shown by X = X. Use an exactly square, level base; a zinc-coated steel base is sold separately.

0.2

Only if you build your own stone or concrete foundation, use this page's A and B sizes below frost level. Between foundation and aluminium frame, fit treated timber at least 18 mm high and no more than 32 mm wide, fixed to the foundation with 50 mm bolts not supplied.

0.3

On a very windy, exposed site, drill through both the greenhouse bottom profile and the steel base. Bolt them together.

STEP 1

1 Build the front wall

Build the front wall flat on the ground, and leave every bolt loose.

YOU NEED



1001 ×12



1002 ×12



1092 ×2



2096 ×1



4036 ×2



4041 ×1

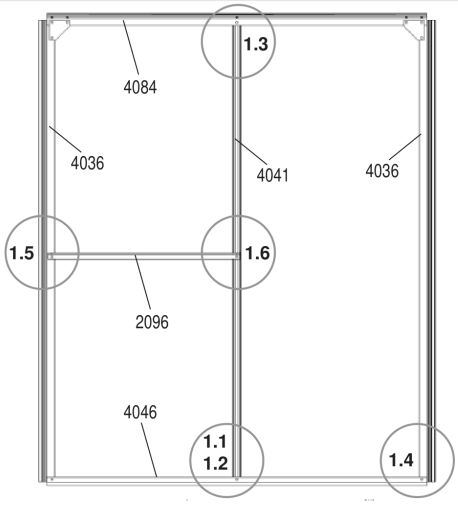


4046 ×1



4084 ×1

900



Vitavia drawing 1. The circled numbers match the pictures below.

INSTALLER TIP

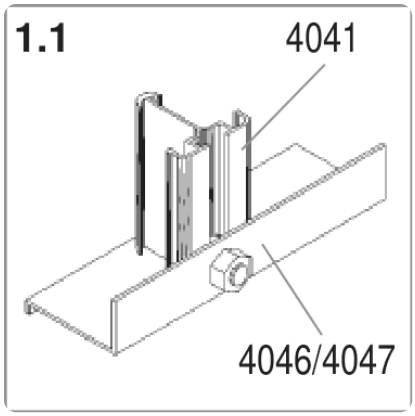
Lay the parts on a blanket or the lawn to protect the finish. Leave every nut loose so the frame can flex when you fix it square in step 3.

WATCH OUT

Follow the drawing for your size. The 1300 has two bars 4041 and two bars 2096; the 900 has one of each.

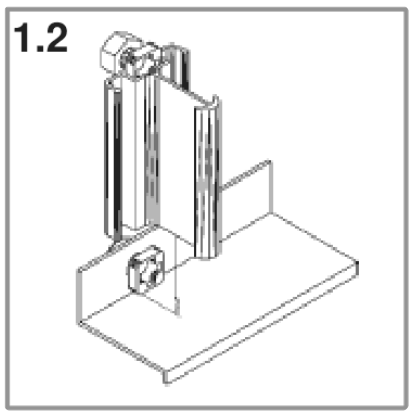
Watch: Build the sides

Scan with your phone camera. Vitavia video.



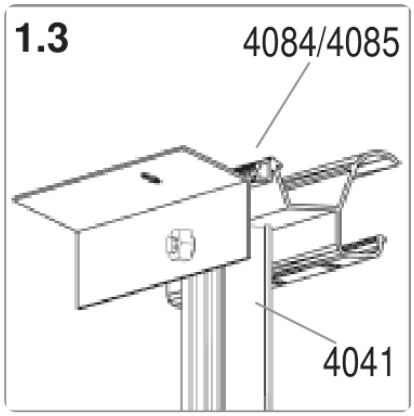
1.1

Bolt the bottom of bar 4041 to your bottom bar (4046 or 4047).



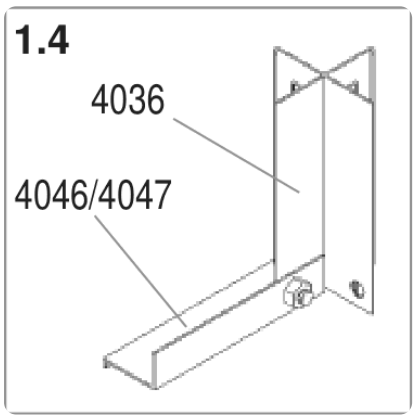
1.2 OUTSIDE VIEW

Slide a bolt into the channel of your bottom bar (4046 or 4047), as the arrow shows. Join bar 4041 to it as shown.



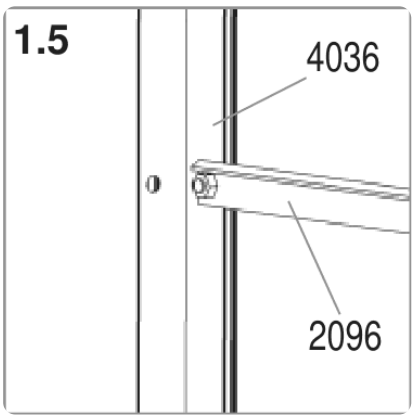
1.3

Bolt the top of bar 4041 to your eaves door track (4084 or 4085). Loosely connect corner plates 1092 at the two upper corners.



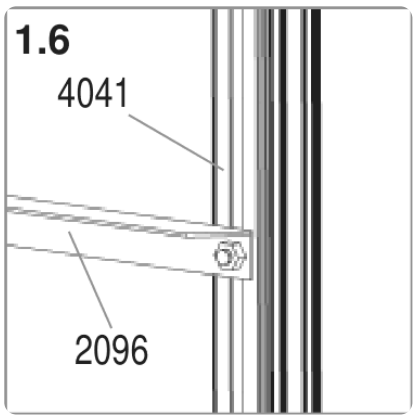
1.4

At each end, bolt bar 4036 to your bottom bar (4046 or 4047).



1.5

Bolt bar 2096 to bar 4036.



1.6

Bolt the other end of bar 2096 to bar 4041.

STEP 2

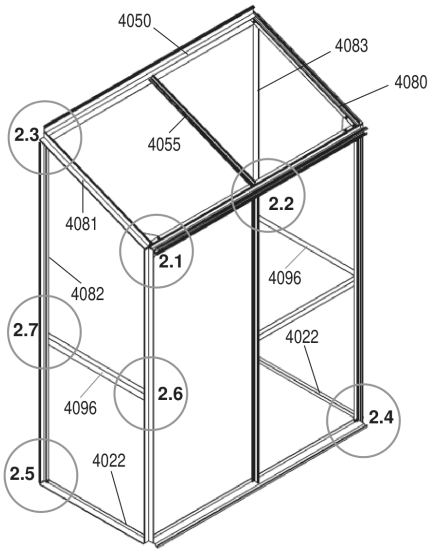
2 Build ends and roof

Follow the drawing for your size, and keep all bolts loose.

YOU NEED

1001 ×21	**1002** ×21
1092 ×2	**4022** ×2
4050 ×1	**4055** ×1
4096 ×2	**4080** ×1
4081 ×1	**4082** ×1
4083 ×1	**7395** ×5

900



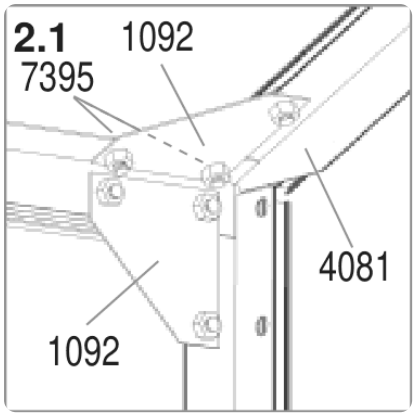
Vitavia drawing 2. The circled numbers match the pictures below.

INSTALLER TIP

Slide the extra bolt into each roof glazing bar 4055 before you fit the bar.

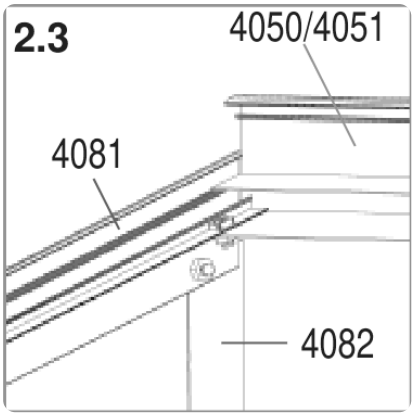
WATCH OUT

Do not miss the extra bolt in each roof glazing bar 4055. You need it to fix the roof vent in step 5.



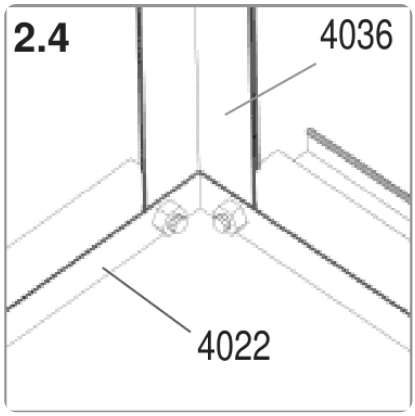
2.1

Connect gable end bars (4080 and 4081) to your eaves door track (4084 or 4085), with washers 7395 at every connection. Loosely fit corner plate 1092 above the eaves.



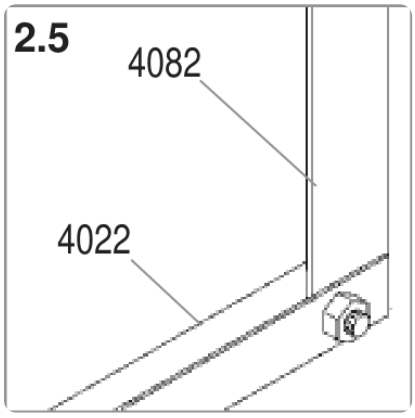
2.3

Connect gable end bars (4080 and 4081) to vertical wall bars (4082 and 4083). Connect them to your ridge bar (4050 or 4051) as shown.



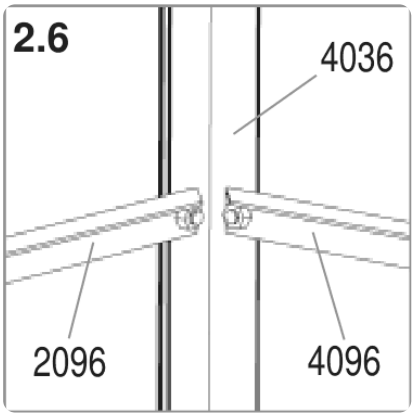
2.4

Bolt sill bar 4022 to bar 4036 at the front corner.



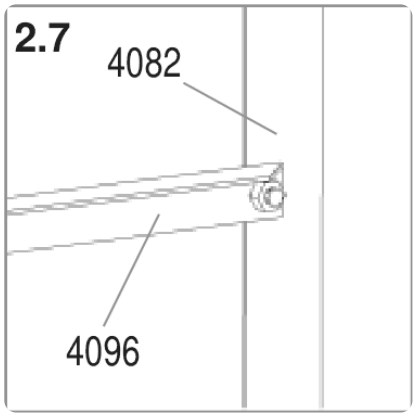
2.5

Bolt sill bar 4022 to vertical wall bar 4082 at the wall end.



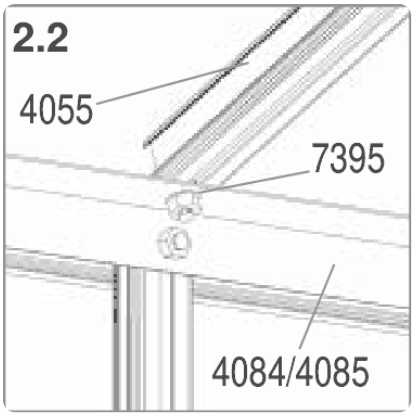
2.6

Bolt bar 4096 and bar 2096 to bar 4036 as shown.



2.7

Bolt the other end of bar 4096 to vertical wall bar 4082.



2.2

Connect roof glazing bars 4055 between your eaves door track and ridge bar, with washer 7395 at the eaves. Fit one on the 900, two on the 1300; insert one extra bolt into each.

STEP 3

3 Fix to the house wall

Work with two people to square the frame and fix its back to the house wall.

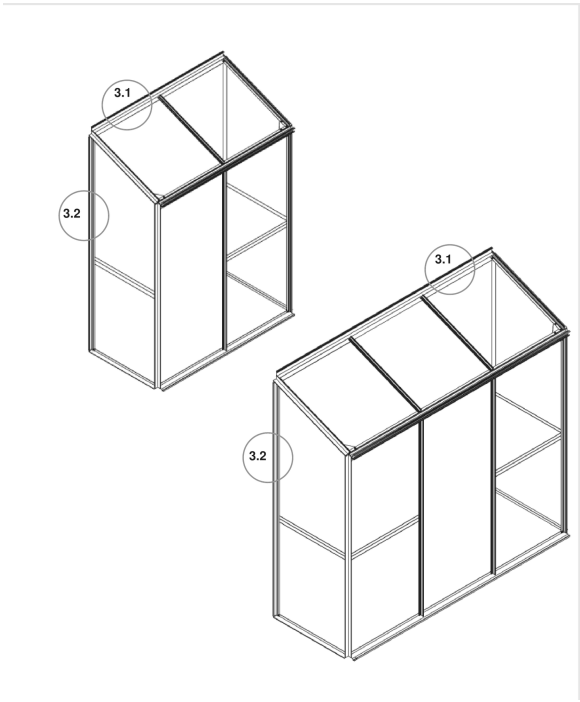
YOU NEED



2002 ×11



2003 ×11



Vitavia drawing 3. The circled numbers match the pictures below.

INSTALLER TIP

Check that the sides are perfectly vertical before you mark the holes on the wall.

WATCH OUT

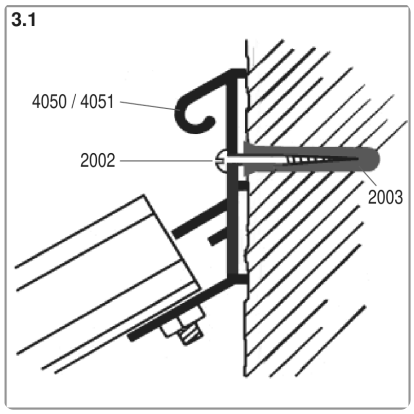
Screws 2002 and wall plugs 2003 are supplied. The drill is not included.

DO THIS NOW

Place the greenhouse on the prepared base or foundation and connect loosely; adjust until square, with both diagonals equal. Tighten all bolts without overtightening, and make sure the sides are perfectly vertical.

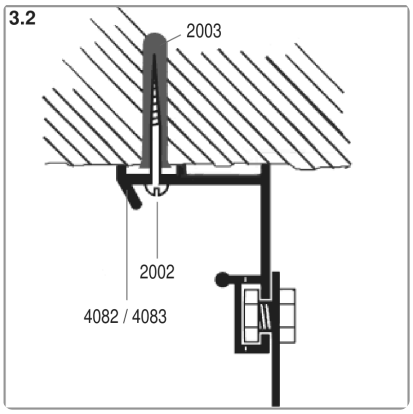
DO THIS NOW

Mark pre-drilled holes in vertical wall bars (4082 and 4083) and your ridge bar (4050 or 4051) on the wall. Lift off the frame; drill 6 mm holes and insert supplied wall plugs 2003.



3.1 OUTSIDE VIEW

Put the frame back on the base. Screw your ridge bar (4050 or 4051) to the wall with screws 2002 and wall plugs 2003.



3.2 OUTSIDE VIEW

Screw vertical wall bars (4082 and 4083) to the wall with screws 2002 and wall plugs 2003, as shown.

DO THIS NOW

Finally, fix the frame to the base if you wish.

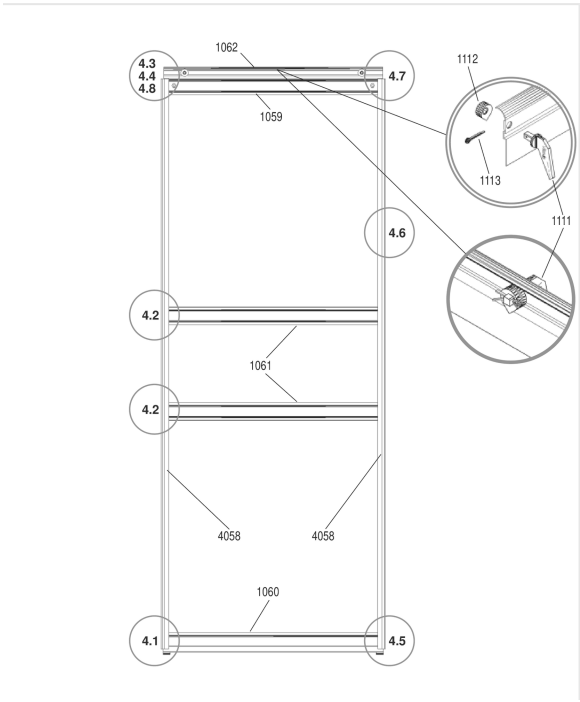
STEP 4

4 Build and hang the door

Assemble the sliding door, then lift it into the tracks.

YOU NEED

	**1001** ×4		**1002** ×4
	**1003** ×16		**1004** ×2
	**1007** ×2		**1009** ×2
	**1014** ×2		**1015** ×2
	**1059** ×1		**1060** ×1
	**1061** ×2		**1062** ×1
	**1111** ×1		**1112** ×1
	**1113** ×1		**4021** ×2
	**4058** ×2		



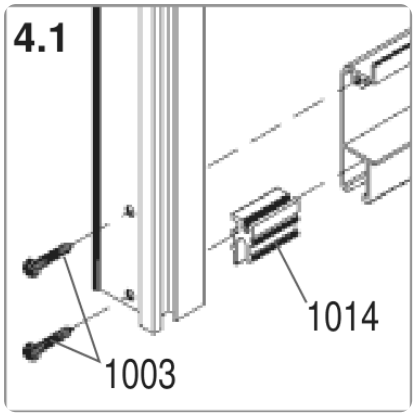
Vitavia drawing 4. The circled numbers match the pictures below.

INSTALLER TIP

If the door binds or jumps the track, the frame is almost certainly not quite square. Go back and check before you force it.

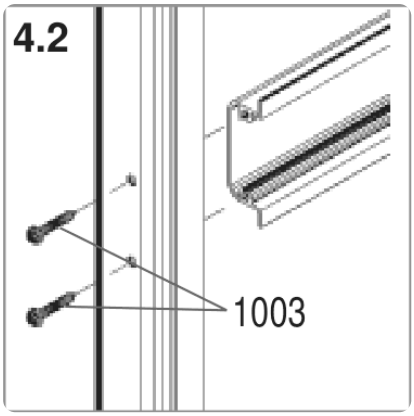
WATCH OUT

Never stand the assembled door on its gliders 1014. This damages them.



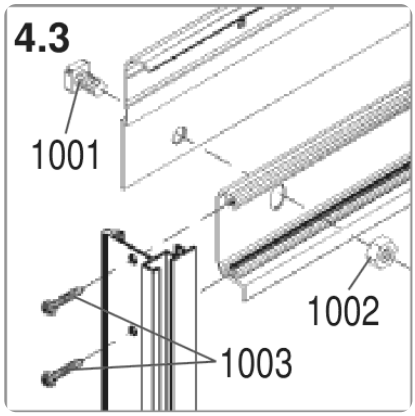
4.1

Push a door glider 1014 onto each end of door bar 1060. Screw side bar 4058 to it with screws 1003.



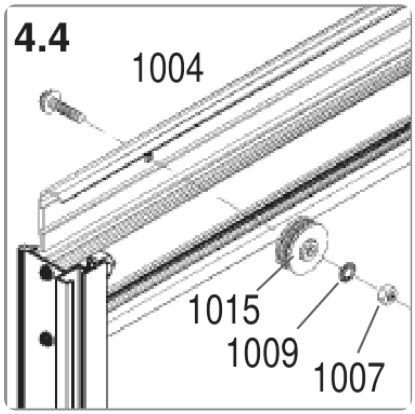
4.2

Screw the two bars 1061 to side bars 4058 with screws 1003.



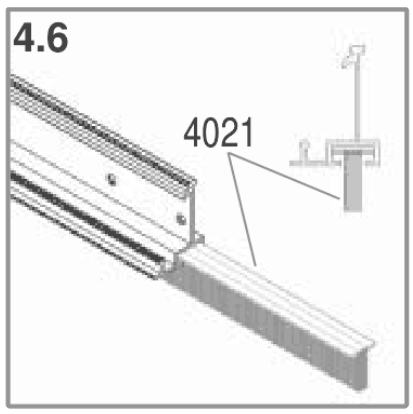
4.3

Bolt door bar 1062 to upper bar 1059 with bolt 1001 and nut 1002. Screw the side bar to it with screws 1003.



4.4

Fix the two door rollers 1015 to door bar 1062 with bolt 1004, washer 1009 and nut 1007.

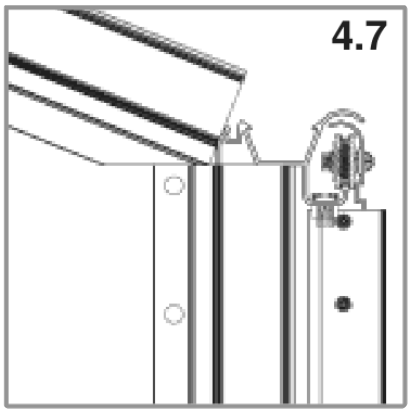


4.6 OUTSIDE VIEW

Slide a door seal 4021 into each side bar 4058.

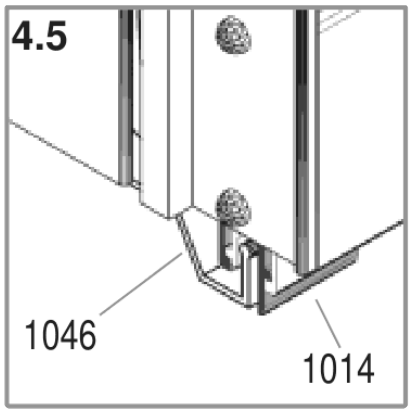
DO THIS NOW

Connect door fixer parts 1111, 1112 and 1113 to door bar 1062, as the door drawing shows.



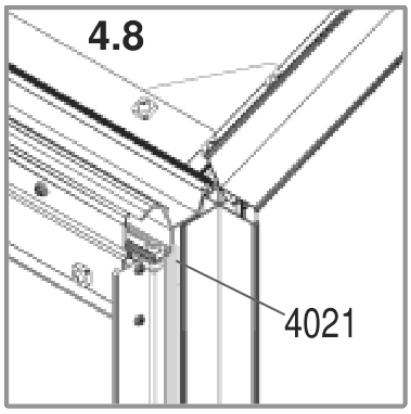
4.7 OUTSIDE VIEW

Lift the door and slide door rollers 1015 into your eaves door track (4084 or 4085).



4.5 OUTSIDE VIEW

Check that door gliders 1014 also run in the bottom track.



4.8 OUTSIDE VIEW

Check door seal 4021 is in the side bar at the hung door's top corner, as shown.

DO THIS NOW

Put a nut and bolt into both ends of your eaves door track (4084 or 4085) as door stops. Adjust the door until it slides freely.

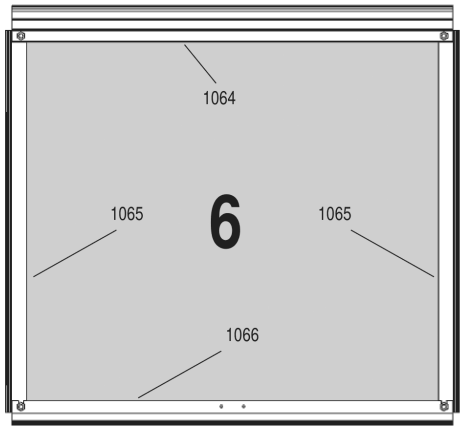
STEP 5

5 Build and fit the vent

Assemble the roof vent, check it is square, then hook it into the ridge bar.

YOU NEED

 **1001** ×4	 **1002** ×5
 **1006** ×6	 **1016** ×2
 **1019** ×1	 **1063** ×1
 **1064** ×1	 **1065** ×2
 **1066** ×1	 **1067** ×1
 **2001** ×1	



	Art. No.	mm	900	1300
6	369430	600 x 544	1	1

Vitavia drawing 5. The circled numbers match the pictures below.

INSTALLER TIP

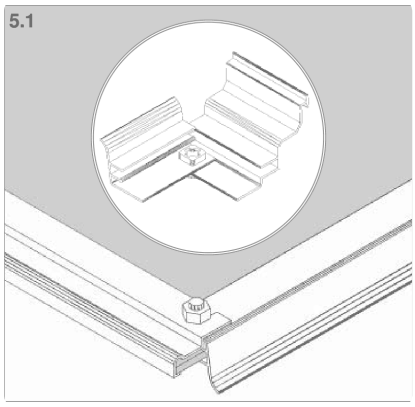
Fit the slam bar (window sill 1063) flat edge up, with its grooved lip down towards the pane below. If that pane will not sit snugly, recheck the slam bar.

WATCH OUT

On the Ida 1300, fit the vent in the middle section if you can. Use the extra bolts already in roof glazing bars 4055; bolt 2001 is not needed.

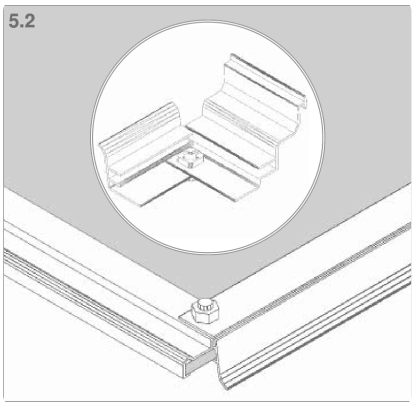
Watch: Build and fit the window

Scan with your phone camera. Vitavia video.



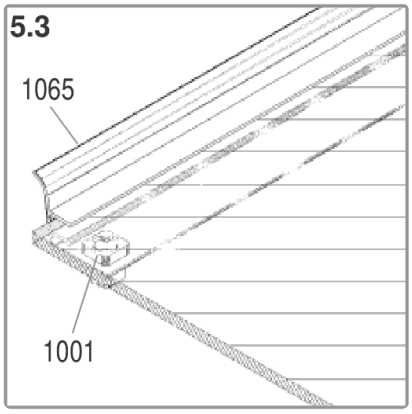
5.1

For glass up to 4 mm thick, join side bars 1065 and top bar 1064 as shown.



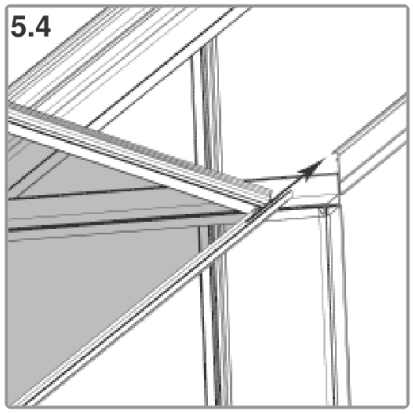
5.2

For glass 4 mm or thicker, join side bars 1065 and top bar 1064 as shown here instead.



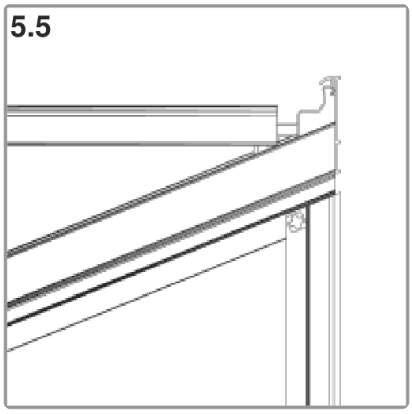
5.3 OUTSIDE VIEW

Put bolts 1001 for bottom bar 1066 into the prepared holes; slide the vent glass into side bars 1065. Fit bottom bar 1066 and check the vent is completely square before you tighten the bolts.



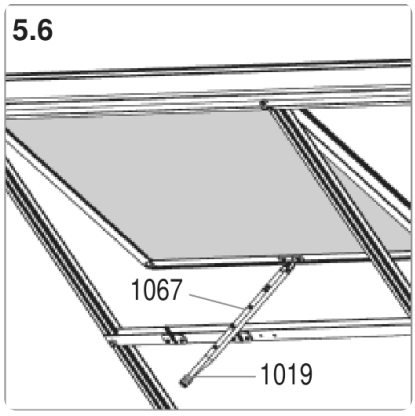
5.4 OUTSIDE VIEW

Hook the vent into the ridge bar from one end of the greenhouse.



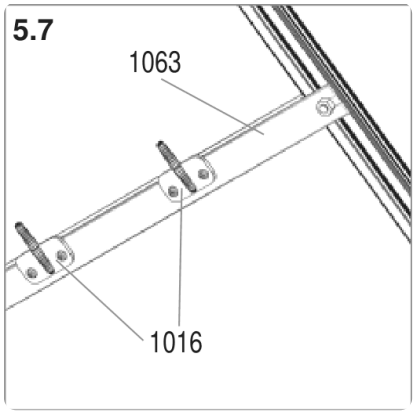
5.5 OUTSIDE VIEW

Hook vent top bar 1064 over your ridge bar (4050 or 4051), as shown.



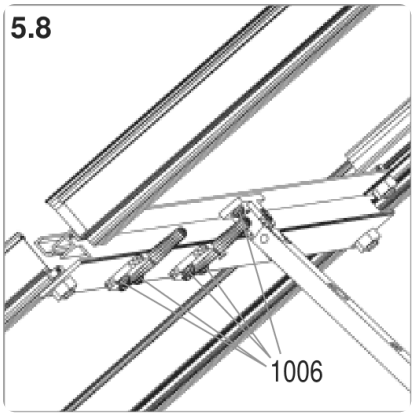
5.6 OUTSIDE VIEW

Slide the vent along to your chosen position. Push plastic cap 1019 over the end of window opener 1067.



5.7 OUTSIDE VIEW

Fix window sill 1063 to each roof glazing bar's extra bolt and the corner bar with bolt 2001, as shown. Screw both window fixers 1016 onto window sill 1063 with screws 1006.



5.8 OUTSIDE VIEW

Screw window opener 1067 to vent bottom bar 1066 with screws 1006.

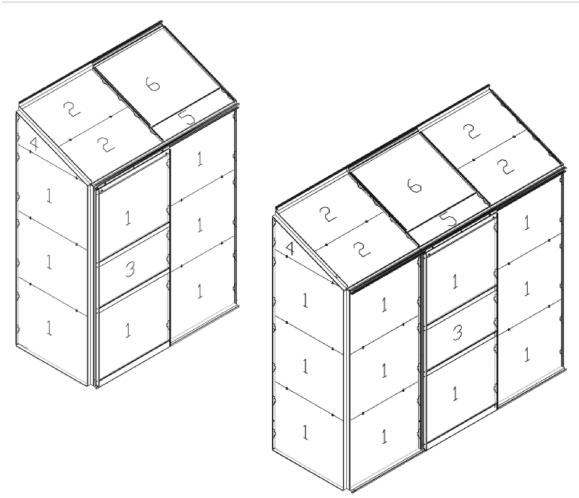
STEP 6

6 Fit the panes

Fit the glazing seal before any panes, then follow the roof and side glazing order.

YOU NEED

- **1011** ×70
- **1012** ×18
- **1020** ×1



	No.	mm	900	1300
1	3679031	610 x 508	11	14
2	3679121	610 x 343	2	4
3	3679621	610 x 307	1	1
4	3679311	610 x 267 x 21	2	2
5	3679601	610 x 127	1	1
6	3679491	600 x 544	1	1
Total			18	23

Vitavia drawing 6. The circled numbers match the pictures below.

INSTALLER TIP

We recommend you soak the whole seal reel in hot soapy water first; it softens and presses on more easily. If a pane looks too big, check the glazing layout for a different opening.

WATCH OUT

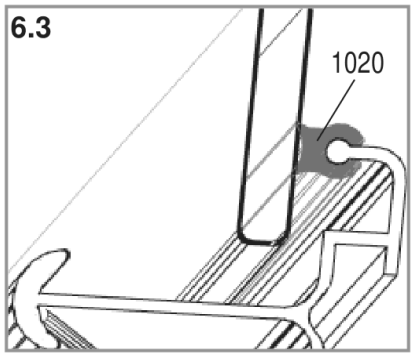
Never force a pane. If it will not seat, correct the out-of-square frame first.

Watch: Fitting the glazing rubber

Scan with your phone camera. Vitavia video.

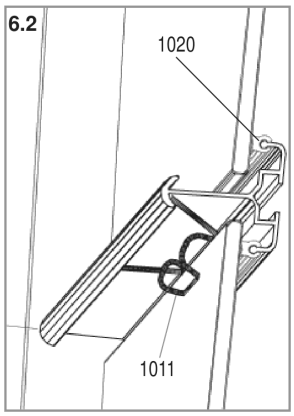
DO THIS NOW

Choose any front section for the door. Leave that section free for now.



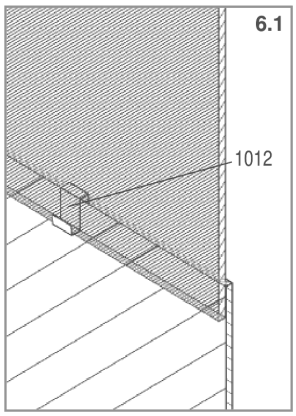
6.3 OUTSIDE VIEW

Press glazing seal 1020 onto the aluminium profiles and cut it to length. Do this before you fit any pane.



6.2 OUTSIDE VIEW

Start the roof glazing at the ridge. Fix the first pane with glazing spring clips 1011.



6.1 OUTSIDE VIEW

Slide each next pane under the pane directly above it. Put retaining clips 1012 between the panes.

DO THIS NOW

Glaze the sides upwards from the bottom; if the last pane is difficult, check panes above have not slipped down. For polycarbonate sheets, also follow the instructions packed in their carton.

Glass for your greenhouse

PANE	SIZE (MM)	IDA 900
1	610 × 508	11
2	610 × 343	2
3	610 × 307	1
4	610 × 267 × 21	2
5	610 × 127	1
6	600 × 544	1
	Total	**18**

Pane numbers match the glazing layout in the drawing above.

LAST JOBS

Finish and look after it

Finish

- [ ] Seal the edges with neutral silicone if you wish; it is not supplied.
- [ ] Stick the warning label inside the greenhouse.
- [ ] Stick the model label onto door bar 1062. You will need it to order spare parts.
- [ ] Keep this guide somewhere safe.

Looking after it

- [ ] Shut the door and roof vent in high winds.
- [ ] Clear the roof or support it in heavy snow. Heat the greenhouse in winter.
- [ ] Wash occasionally with a mild detergent that does not attack aluminium or the glazing clips.
- [ ] Keep the upper and lower door tracks clean so grit does not build up.
- [ ] Add the greenhouse to your home insurance, and check local building rules about where it can go.

Drawings reproduced from the Vitavia assembly instructions (Vitavia manual 003.01.1101 (Ida 900 and 1300, polycarbonate)). Greenhouse Stores, greenhousestores.co.uk.