

**DANCOVER<sup>®</sup>**

**.com**

Manual  
for  
Commercial  
Greenhouse Tunnel  
8x16x3,95m

# Assembly Instructions

## Type 800SD



**Dear customer / dear garden friend,**

we congratulate you on purchasing a greenhouse.

You have chosen a high quality and stable greenhouse.

Please read the assembly instructions first.

Follow this step by step!

### **Storage / keeping**

Store protected - Please store all components in a dry place and protected from direct sunlight!

### **Parts list / packing list**

Before you start to assemble the greenhouse, please use this description (material list) to check that the components supplied are complete.

Each packaging unit goes through a quality control, which also includes checking the respective quantities. Missing parts can thus be almost ruled out. If parts are still missing, please tell us the wrong position.

The manufacturer assumes no responsibility for damage caused by improper assembly or force majeure.

### **Note:**

If possible, the greenhouse should be set up in a sheltered place and not in stormy weather. It is dangerous to leave a partially assembled house!

The roof of the greenhouse must be free from snow loads greater than 10cm!

### **Safety regulations / intended use:**

Protective gloves, safety shoes and suitable head protection must always be worn when assembling polycarbonate sheets and greenhouse components.

This variant of a greenhouse is designed for growing plants and should only be used for this. Any use beyond this is considered improper.

The operator / user of the greenhouse is solely liable for any resulting damage!

The construction of the greenhouse must be carried out by at least two people! Work with safe, handcrafted tools.

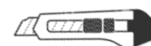
Always work only with gloves (risk of injury, risk of cuts).



This symbol describes the execution by hand, e.g. the assembly of components

You need the following tools to set it up:

- Open-end spanner 13 mm
- Rubber mallet/plastic hammer
- Measuring tape (5m)
- Spirit level (1m)
- Stepladder
- Boxcutter
- Electric Drill



## Frame

### List of materials:

**Width:** 8,00m

**Length:** 16,00m

**Note:** The item numbers in this list of materials correspond to a greenhouse length of 16.00m.

*For other greenhouse lengths, the individual items will be adjusted accordingly! See also delivery note!*

## Frame

	Quantity	Item No.	Description
1.1	14,00	9099	Roof pipe pitched roof 8m
1.2	14,00	9087	Standing wall pipe pitched roof 8/10/12m
1.3	14	9413	eaves connector
1.4	7,00	9413	ridge connector
1.5	36,00	20007	Swivel anchor 80cm
1.6	7,00	9569	Cross brace 1250mm pitched roof 8m 1172mm long
1.7	14,00	9567	Cross brace 3910mm pitched roof 8m 3800mm long
1.8	14,00	9234	Cross brace 1.50m type 1200ST 1700mm long
1.9	7,00		nodes
1.10	40,00	9432	Longitudinal tube 1.90m
1.11	21,00	9433	Connector 1" (3 holes)
1.12	14,00	9438	Connector 1" (3 holes long) bottom chord
1.13	10,00	9434	Connector 1" end piece (2 holes)
1.14	70,00	14005	Carriage bolts: 8x50
1.15	20,00	9470	spacer
1.16	16,00	9255	Cross tube 2.65m
1.17	50,00	19004	clamps 2"
1.18	6,00	18021	Aluminum profile double 6m long
1.19	4,00	9417	Square connector 15ner for aluminum profile
1.20	9,00	16001	Impact strip Poppen 4m long
1.21	34,00	13002	Film: 10m wide, transparent 2 x 17m
1.22	40,00	14003	Carriage bolts: 8x30
1.23	40,00	14004	Carriage bolts: 8x40
1.24	70,00	14005	Carriage bolts: 8x50
1.25	40,00	14006	Carriage bolts: 8x70
1.26	40,00	14008	Carriage bolts: 8x100
1.27	40,00	14018	Carriage bolts: 8x 110

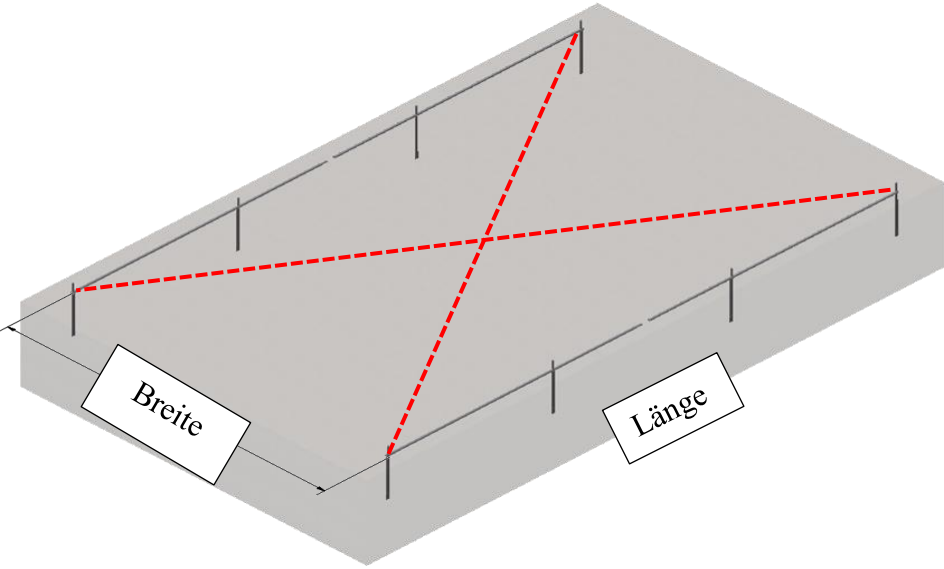
1.28	40,00	14009	Carriage bolts: 8x130
1.29	40,00	13997	T-head bolts: 8x80

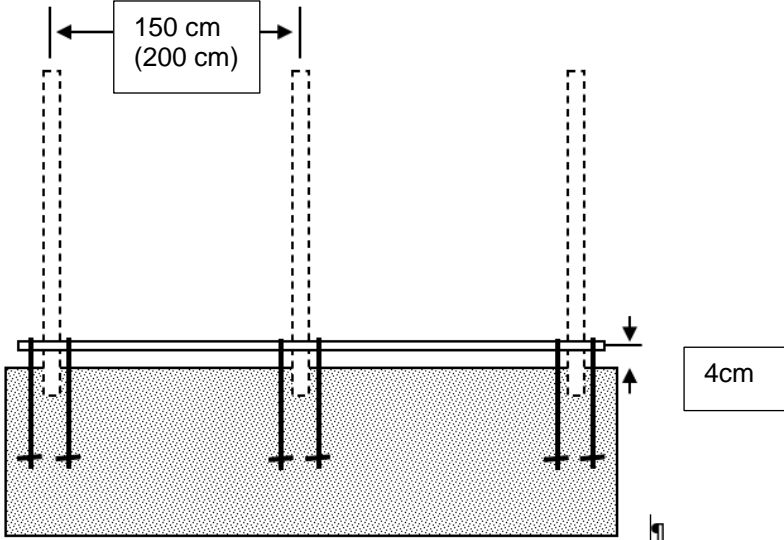
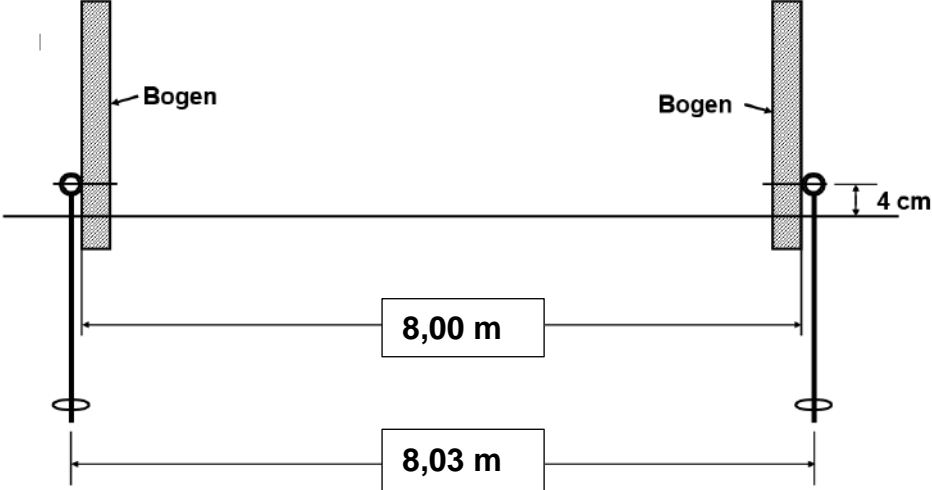

## Foundation of your greenhouse

The stable and robust construction of the greenhouses allows them to be installed directly on a level, pre-compacted subsoil.

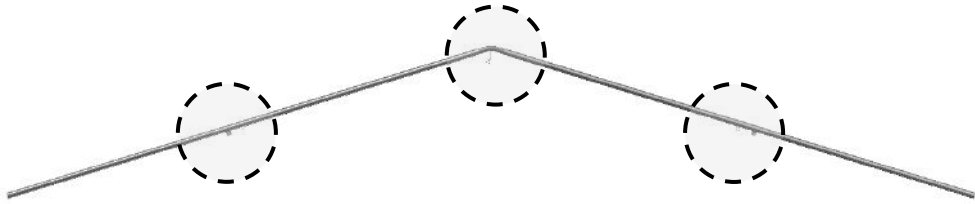

It is attached using a ground anchor system and digging in the foil.


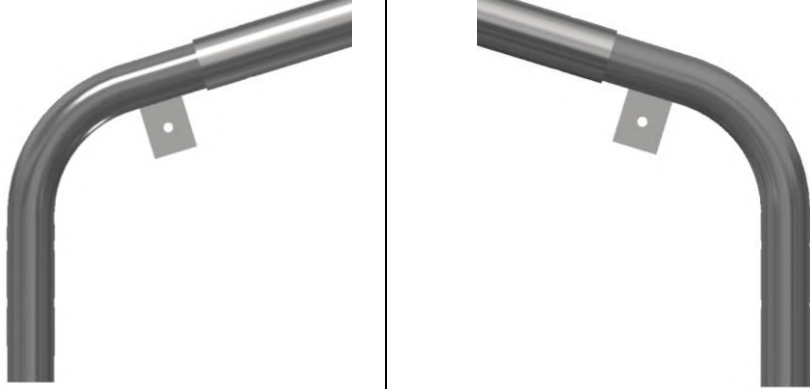
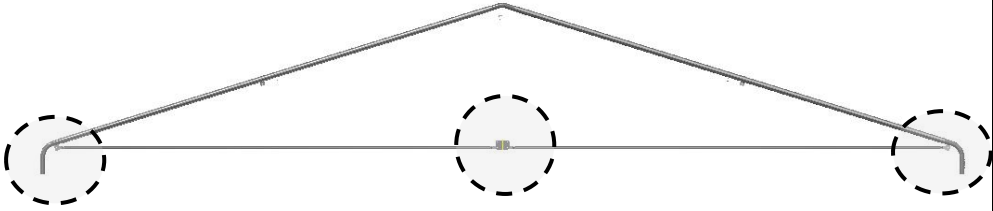
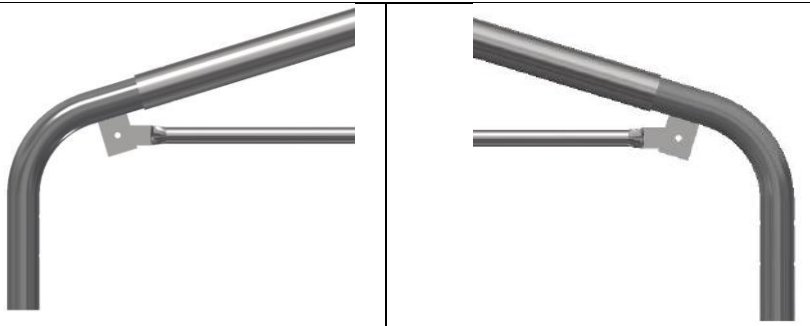

For assembly on a concrete foundation, a corresponding foundation plan is drawn up and made available for assembly.

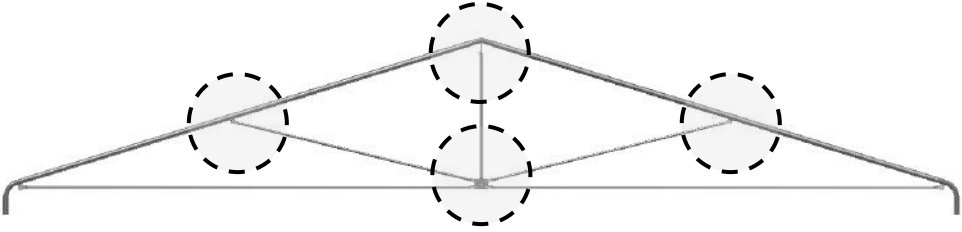
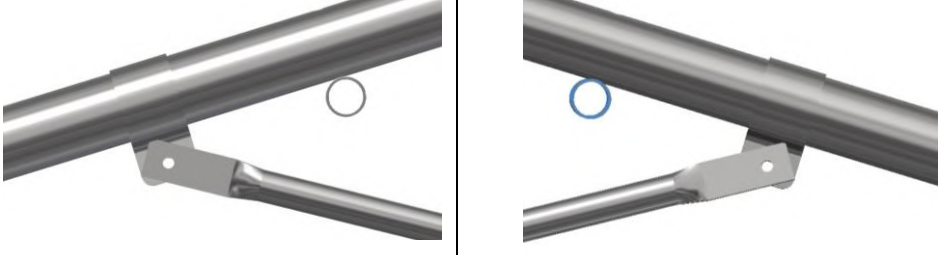
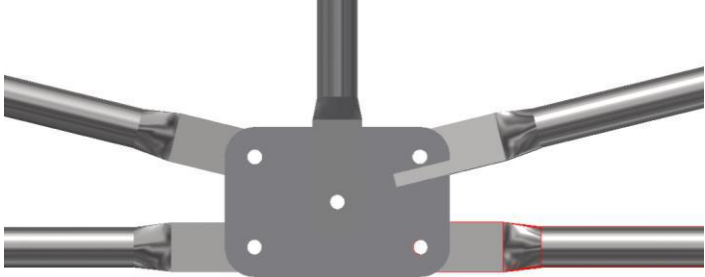
1.0	Angle the base	
		
1.1	Stretch cords alongside	
1.2	Measure diagonally - distances must be equal	
1.3	Check parallelism	

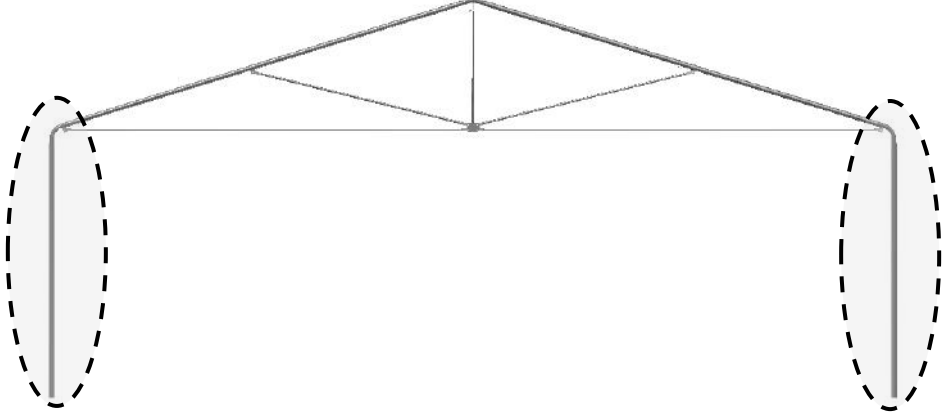
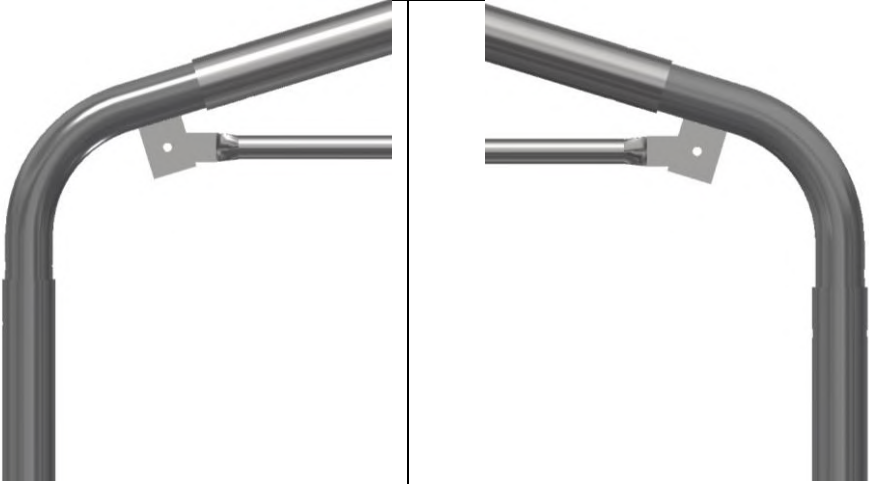
2.0.0	<b>Anchor/longitudinal tube</b>	
2.1.0		
		
		
2.1.1	Place rotary anchor along the cord - distance see 2.1	20007
2.1.2	Push the longitudinal tubes through the eyelets of the rotary anchors	9432
2.1.3	Connect longitudinal tubes with connector 1".	9438 14005
	<i>NOTE: Use a 1" end piece connector at each end</i>	9434 14005

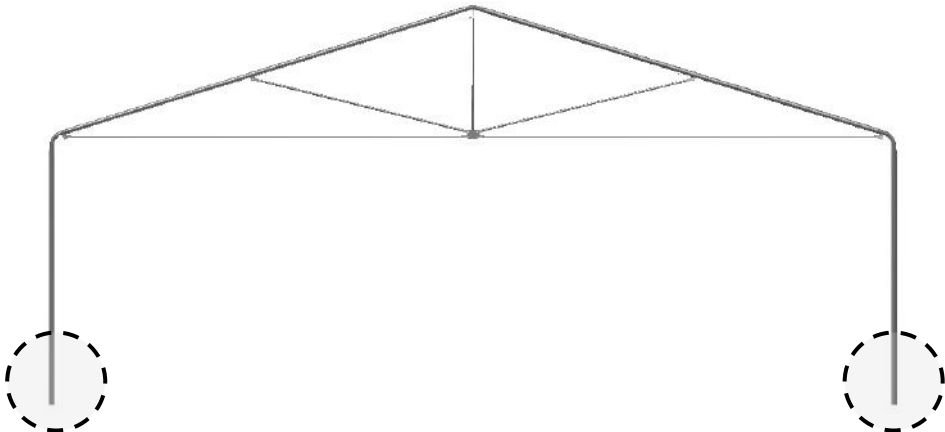
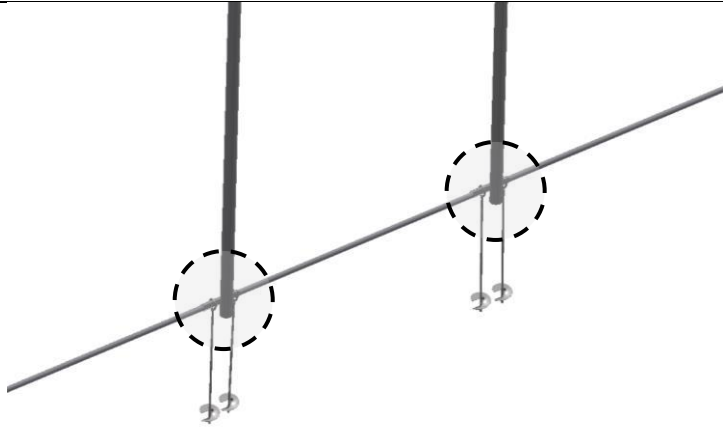


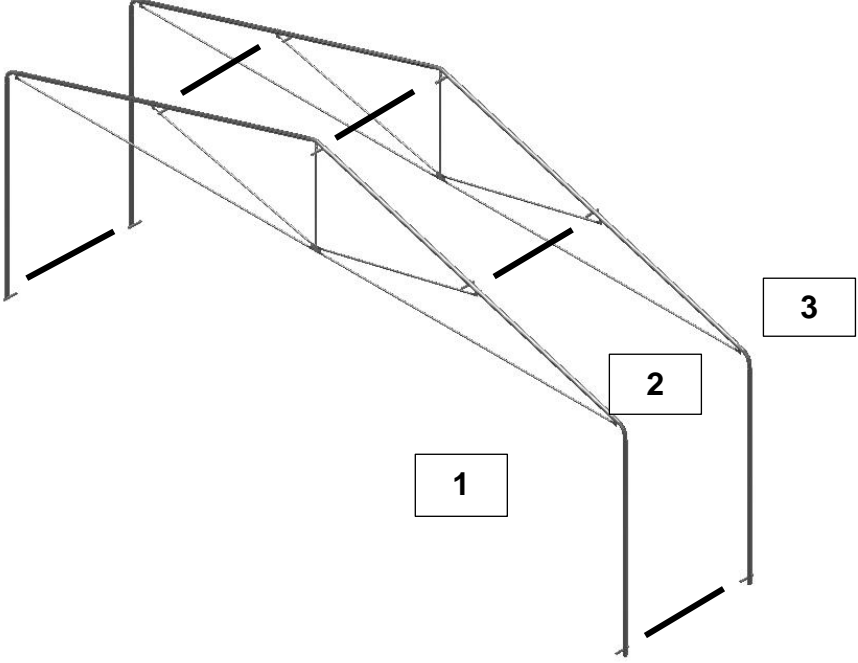
3.0.0	Roof pipe	
3.1.0		
		
3.1.1	Assemble the left/right roof pipe using the ridge connector	9099 9413
3.1.2	Fix left/right roof pipe to connector with screw NOTE: Screw head outside!	14006
3.1.3	Mount connector 1", middle	9433 14005
		9470
	Slide the pipe clamp (3x left / 3x right) onto the roof arch NOTE: Clamp leg must face inward	19004


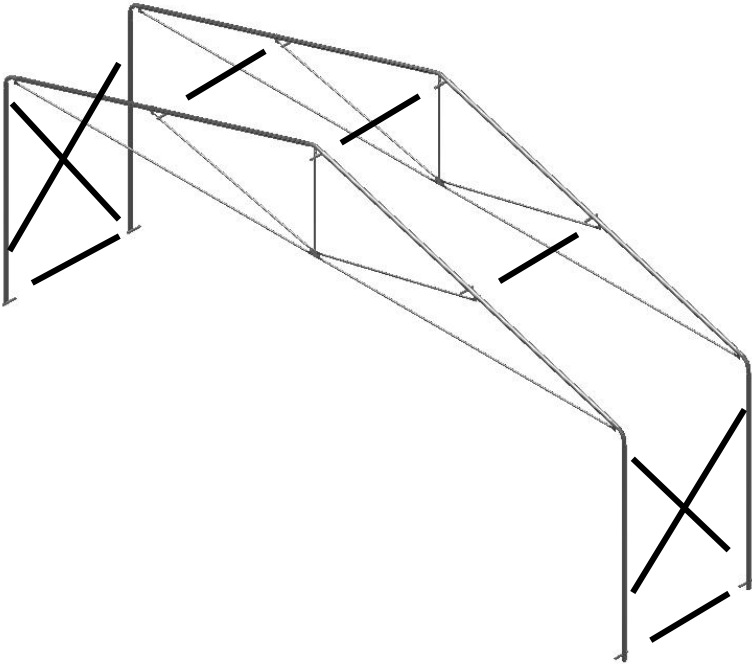
3.2.0	<b>Eaves connector</b>	
		
		
3.2.1	Set eaves connector and screw left/right NOTE: Screw head outside!	9413 14006
3.3.0	<b>Cross brace left/right</b>	
		
		
		
3.3.1	Mount cross brace, right/left	99567 14003
3.3.2	Mount node	14003

3.4.0	<b>Striving</b>	
		
3.4.1	Screw the cross brace 1250 to the ridge connector	9569 14003
		
3.4.2	Screw the 1.50m cross brace to the 2" clamp	9234 14003
		
3.4.3	Bring the crossbars together at the node	14003

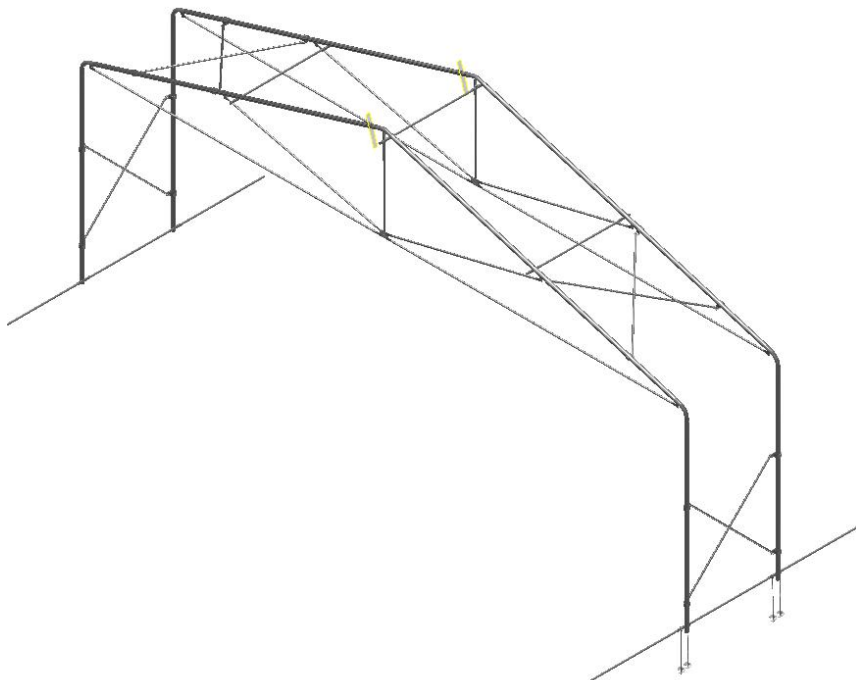
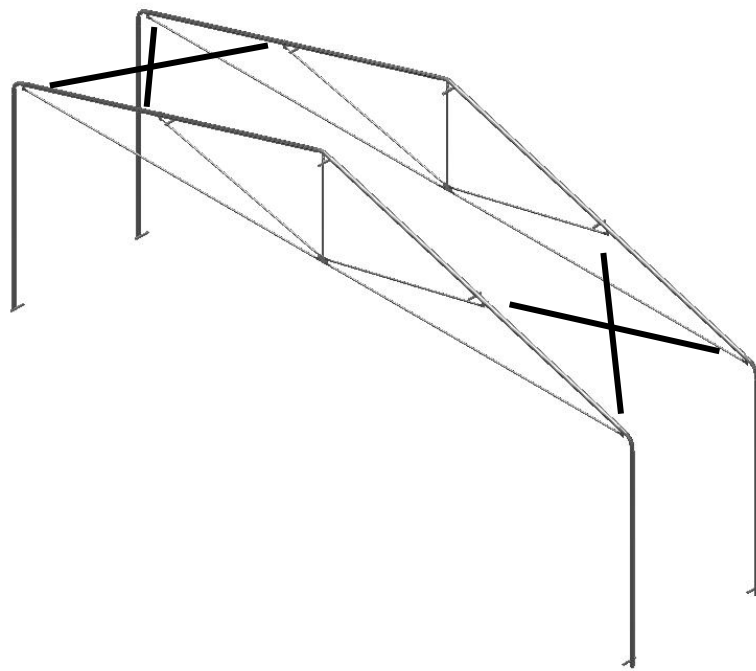
3.5.0	<b>Side pipes</b>	
		
		
3.5.1	<p>Place standing wall pipe left/right and screw together</p> <p>Slide the pipe clamp (2x left / 2x right) onto the standing wall pipe</p> <p>NOTE: Clamp leg must face inward</p>	<p>9087</p> <p>14006</p> <p>19004</p>

3.6	Frame to bottom chord	
		
		
3.6.1	Screw bottom chord connector/bottom chord to standing wall tube left/right	9438 14008

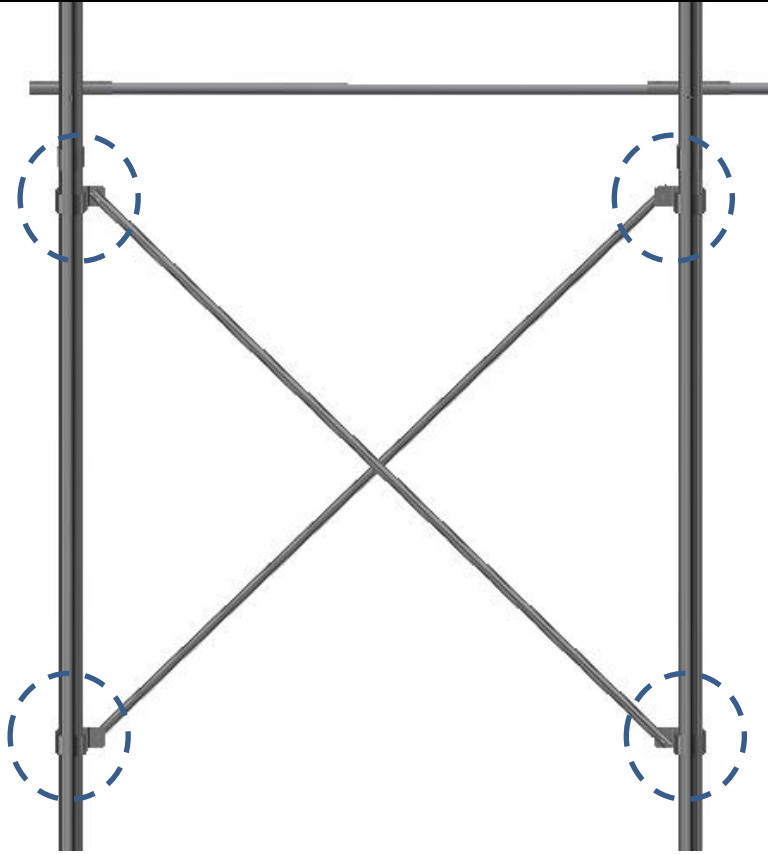
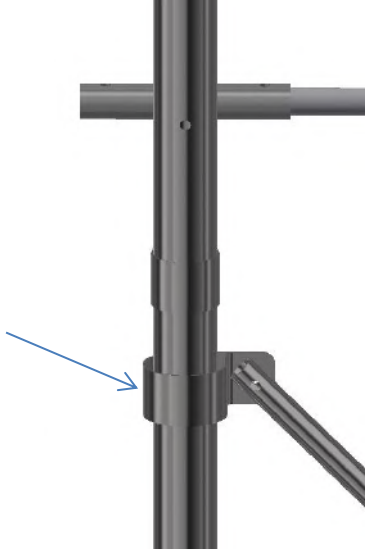
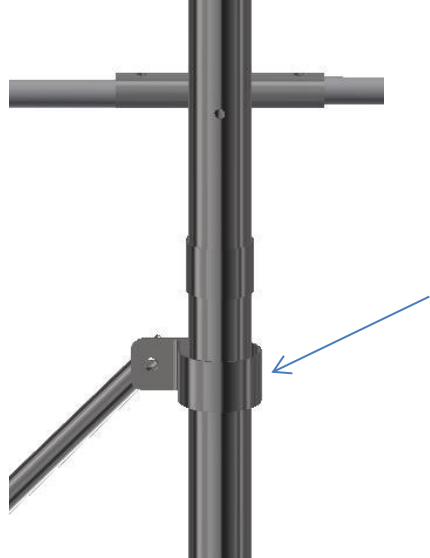
4.0.0	<b>Set up arch/frame</b>	
4.1.0		
4.1.1	Set up the pre-assembled frame in field 2 - screw it to the 1.90mm longitudinal tube NOTE: – Nut must face inwards	14008
4.1.2	Push left/right pipe clamps (2x each) for the connection onto the frame NOTE: Clamp leg must face inward	19004
4.1.3	Screw the frame to the longitudinal tube (see also 4.2.0 longitudinal tubes) NOTE: – Nut must face inwards	9432 14008
4.1.4	Set up pre-assembled frames in field 3 <b>ATTENTION: Secure both frames against tipping over!</b>	
4.1.5	Push left/right pipe clamps (2x each) for the connection onto the frame	19004

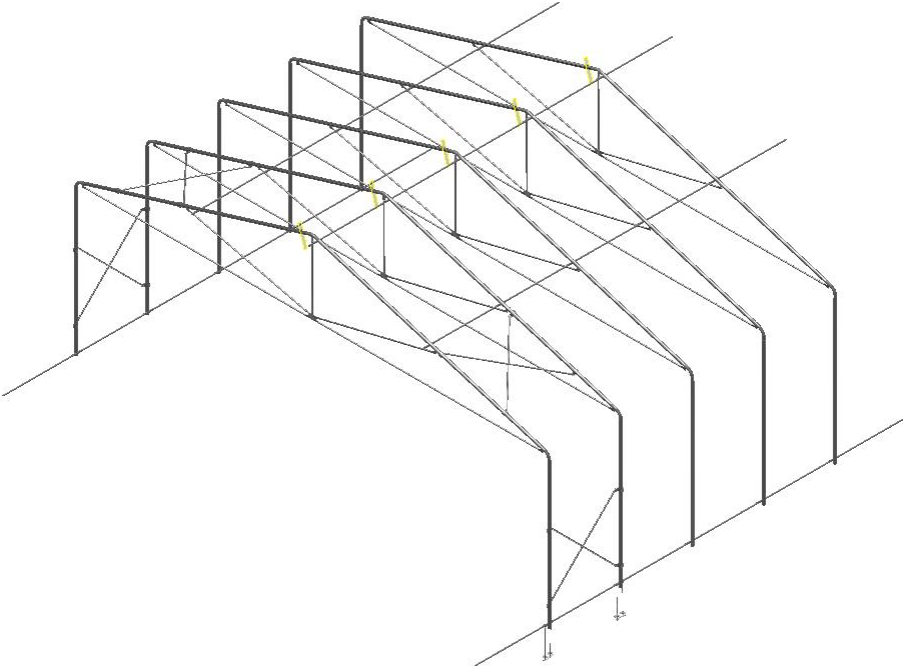
4.2.0	<b>Longitudinal tubes</b>	
	<p data-bbox="256 277 1214 315"><i>NOTE - As soon as a frame is erected - mount the longitudinal tube</i></p> 	
4.2.1	Mount the longitudinal tube in the middle	9432 14005
4.2.2	Mount the longitudinal tube on the left	9432 14005
4.2.3	Mount longitudinal tubes on the right	9432 14005
4.3.0	<b>Wall bracing</b>	
		
4.3.1	Set struts between frames 2+3 (cross tubes) - use a spirit level and align the frame	9255 14005
4.3.2	Fix strut in pipe clamp – self-drilling screw 4.8x19	14101
4.3.3	Mount the brace on the opposite side	9255
4.3.4	Repeat steps 4.1.2 to 4.2.1	

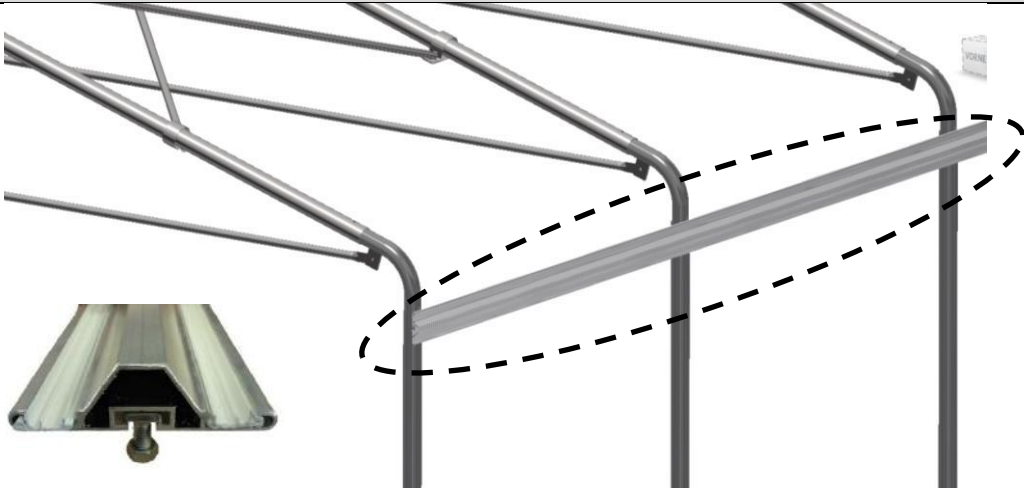


4.4.0	Roof bracing	
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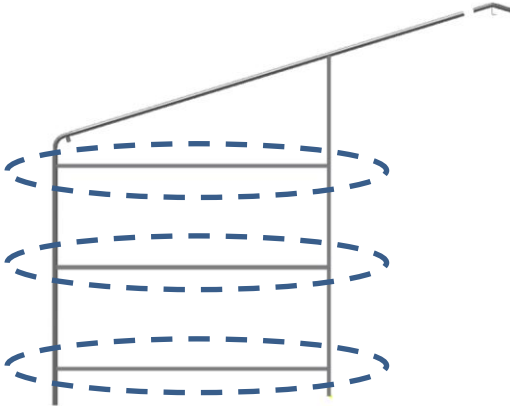
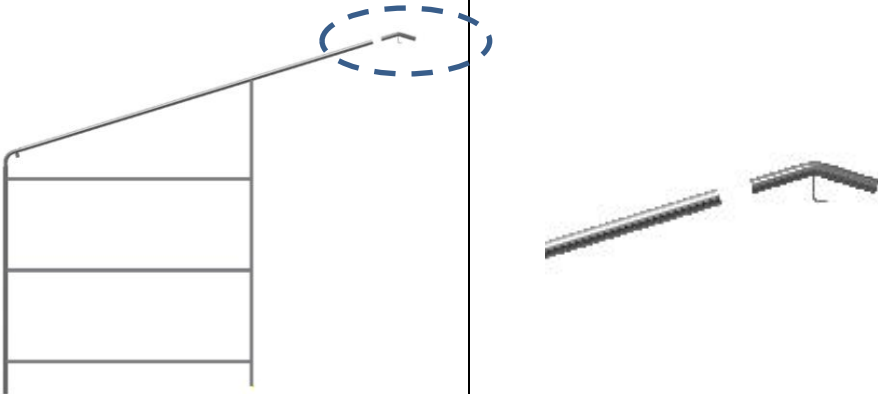
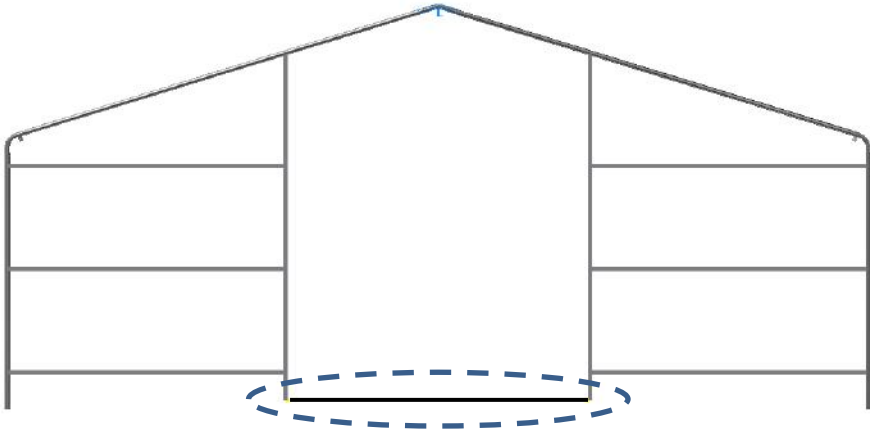
			
			<p>Self-drilling screw</p>
4.4.1	Place struts between frames 2+3 (cross tubes) - use a spirit level and align the frame	9255 14005	
4.4.2	Fix strut in pipe clamp – self-drilling screw 4.8x19 to fix the clamp	14101	
4.4.3	Mount the brace on the opposite side	9255	
4.4.4	Repeat steps 4.1.2 to 4.2.1		

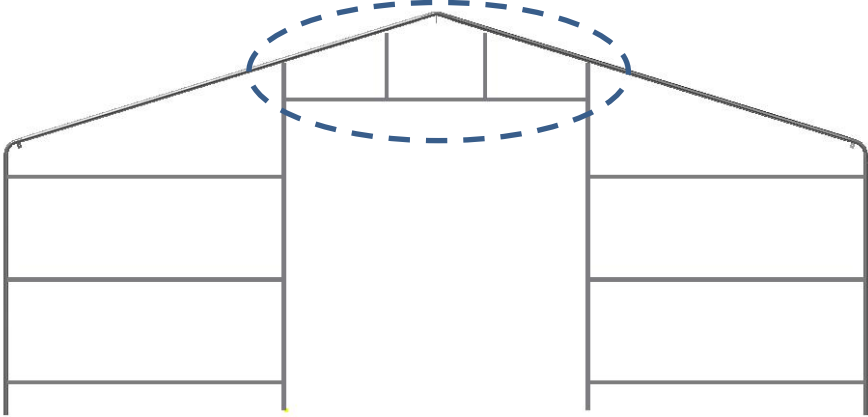
4.4	<b>Assemble frame according to house length</b>	
		
4.4.1	Repeat steps 3.6 / 4.1 /4.2 on the other side according to the length of the house	
4.4.2	<i>NOTE: put the struts in the last field - repeat 4.3 / 4.4</i>	

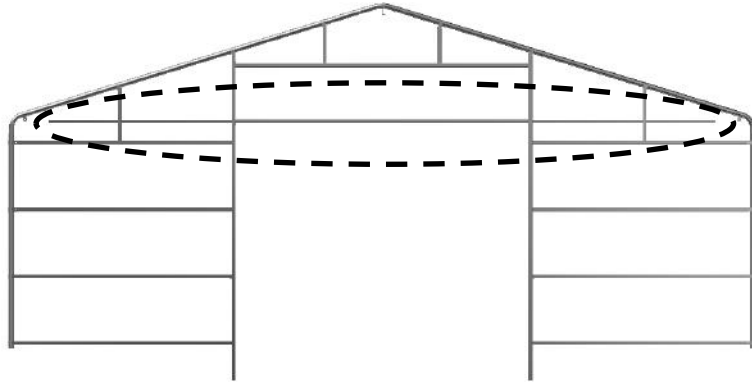
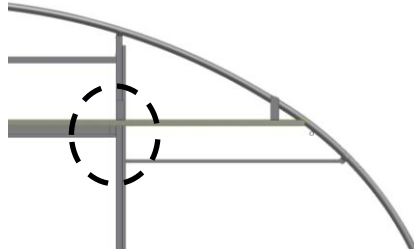
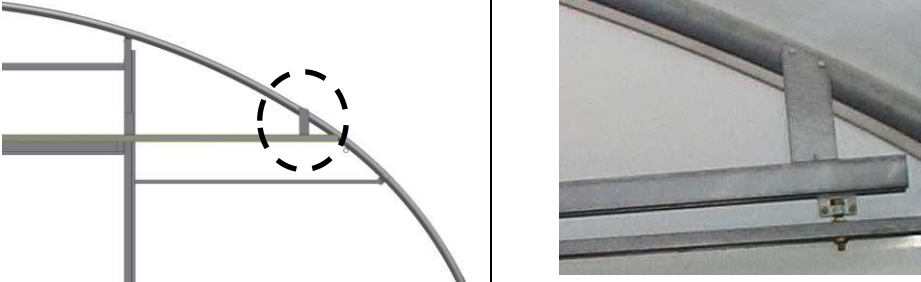
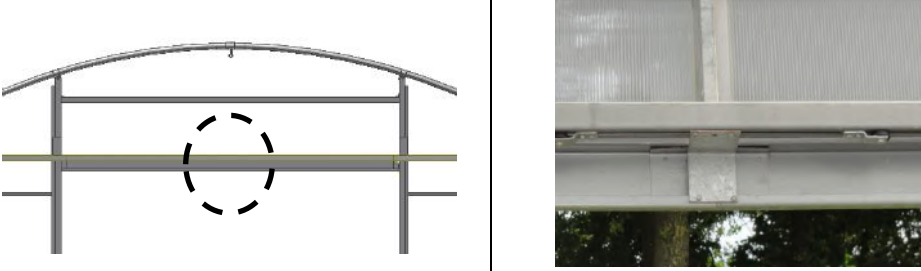
4.5.0	<b>Aluminum clamping profile with double mount</b>	
		
4.5.1	Aluminum clamping profile (double mount) with T-head screws on standing wall screws - use the hole in the eaves connector	18021 13997
	 	
4.5.2	Connect aluminum profile with square connector	9417
4.5.3	Push the abutting edges of the profiles together and secure with a self-drilling screw	14101
	<i>NOTE: Cover or tape the saw edge of the aluminum clamping profile at the front and back so that the film is not damaged when it is pulled.</i>	
4.5.4	<i>Mount the aluminum profile along the length of the greenhouse - repeat steps 4.4.1 to 4.4.4</i>	
4.5.5	<i>Repeat steps 4.4.1 to 4.4.4 on the opposite side</i>	

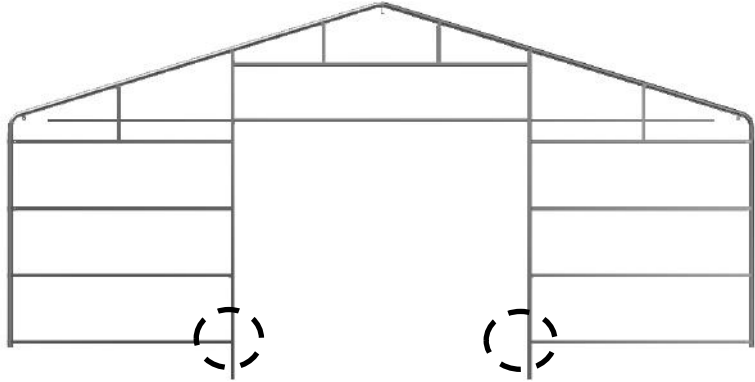

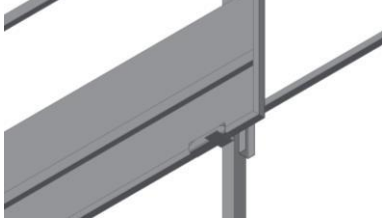
## Gable

	Quantity	Item No.	Description
2.1	2,00	9048	Gable pitched roof 8m with upper part
2.2	5,00	13021	Double wall sheets 4 x 3.70 m x 2.10 m 4 x 3.00 m x 0.50 m
2.3	2,00	13022	H-rails 4 x 3 m
2.4	2,00	9202	Ventilation flap 1000/1200
2.5	2,00	9212	Display 1000
2.6	2,00	9216	Linkage for display 1000
2.7	4,00	9445	Half clamps for ventilation flaps
2.8	2,00	20002	Running track 6.8
2.9	2,00	9092	Door set (r+l) 1000
2.10	4,00	9541	Door handles large
2.11	8,00	20003	trolleys
2.12	4,00	20004	Door stopper
2.13	8,00	14055	Machine screws : 12 x 120
2.14	4,00	9443	Guide shoes type 860-1200
2.15	4,00	9428	Holding plate straight for type ST 860-1200
2.16	2,00	9423	Retaining plate diagonal left all types
2.17	2,00	9424	Retaining plate diagonally right all types
2.18	2,00	9062	1.14 2.00 piece 11.304 assembly aid from type 9.70
2.19	200,00	14101	Self-drilling screw: 4.8x19
2.20	300,00	14102	Self-drilling screw: 4.8x19 m.D.
2.21	2,00	20014	foam tape
2.22	1,00	20028	blower motor with pressure
2.23	4,00	18020	Aluminum simply 6m long
2.24	6,00	16001	Impact strip Poppen 4m long
2.25	12,00	9462	Angle plate type 800 SD/ 1000 SD / 1200 SD

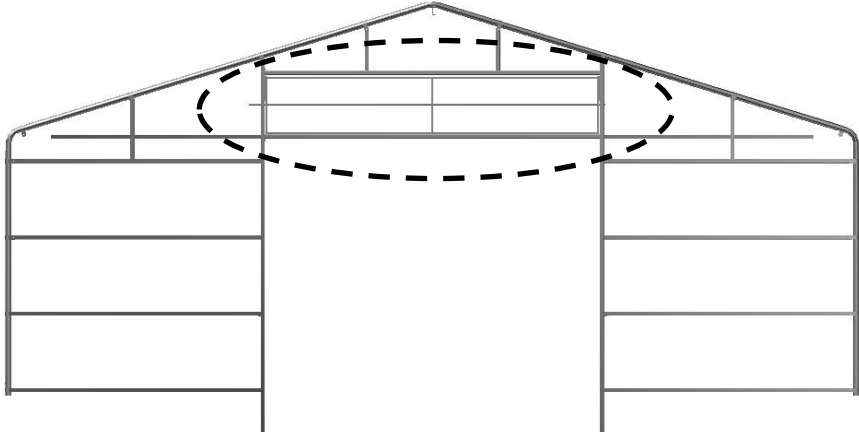
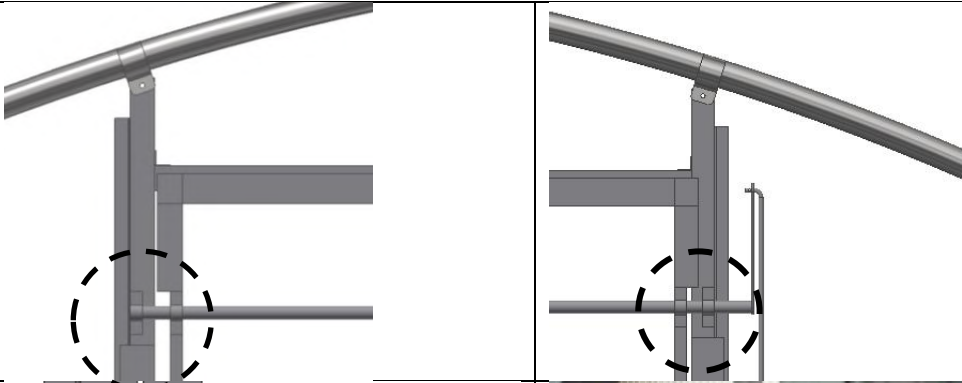
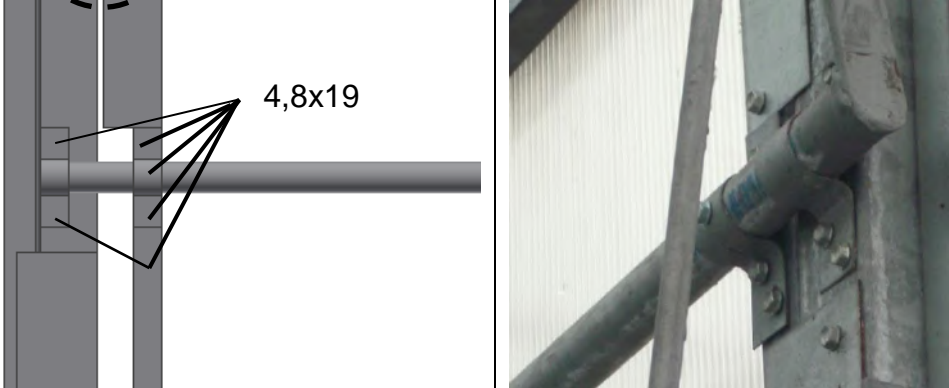
5.0.0	<b>Gable assembly</b>	
		
5.1.0	<p>Pre-assembled gable half Screw the cross braces to the pre-assembled angles on the door jamb with self-drilling screws <i>NOTE: Use a spirit level to plumb the door jamb</i></p>	9048 14101
		
5.1.1	Insert and screw the ridge connector	9413 14006
		
5.1.2	Repeat step 5.1.0 on the second half of the gable	
5.1.3	Screw the second half of the gable to the ridge connector	9048
5.1.4	Use assembly aid	9062
	<i>NOTE: Check door jamb parallelism</i>	

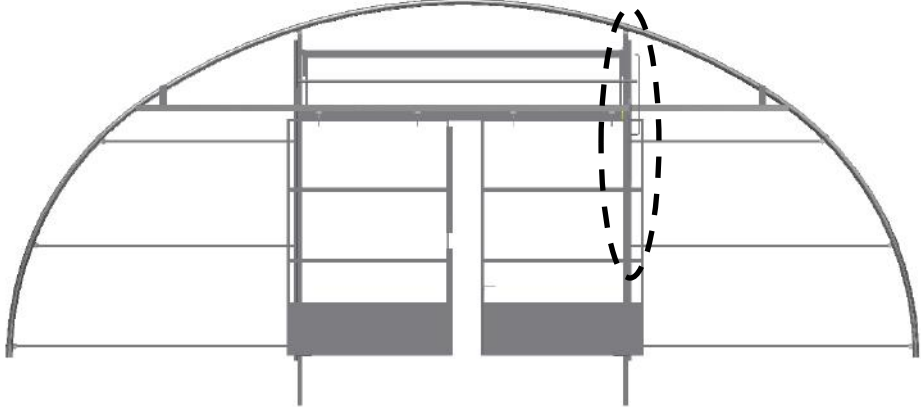
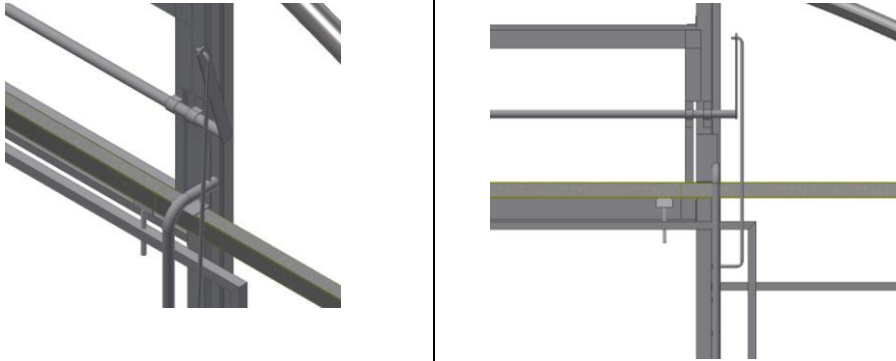

5.2.0	<b>Gable top</b>	
	 <p>The diagram shows a skeletal frame of a gable roof. It consists of two vertical posts on either side, connected by three horizontal beams. The roof is formed by two sloping lines meeting at a central peak. A dashed blue oval is drawn around the upper portion of the gable, specifically the area between the peak and the top of the vertical posts, indicating the location of the gable top assembly.</p>	
5.2.1	Insert the gable upper part (pre-assembled). <i>NOTE: Position specified by screw bracket!</i>	9048

5.3.0	Slide rail	
		
5.3.1	Mount the slide rail <i>NOTE: Distance between door jamb and slide rail - 15mm</i>	20002
		
5.3.2	Retaining plate, mount on the right <i>NOTE: Image shows comparable version</i>	9426 14101
		
5.3.3	Retaining plate, mount at an angle on the right <i>NOTE: Image shows comparable version</i>	9424 14101
		
5.3.4	Mount retaining plate, middle	9422 14101
5.3.5	Mount the retaining plate on the left (see 1.4.2)	9425 14101
5.3.6	Mounting plate, mount at an angle on the left (see 1.4.3)	9423 14101
	<i>NOTE: Image shows comparable version</i>	

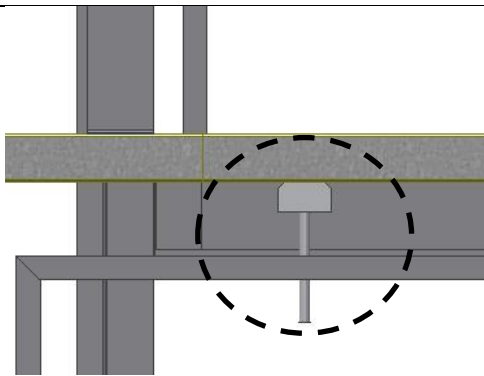
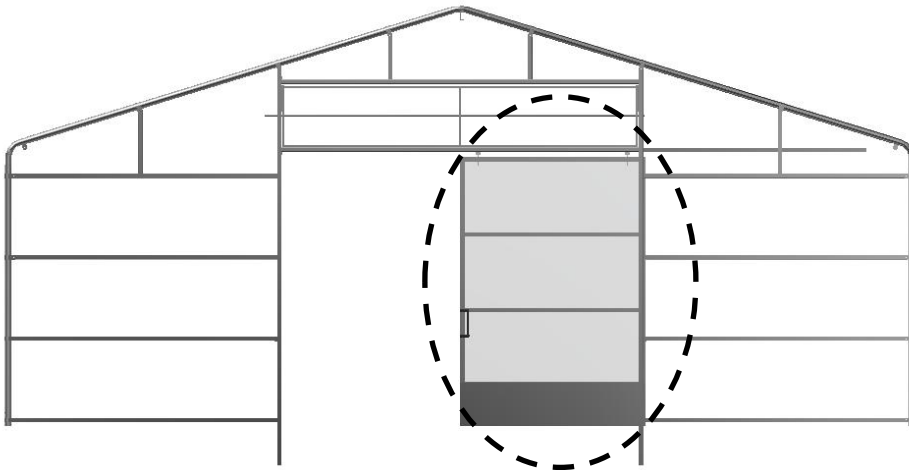
5.4.0	<b>Mount guiding braces</b>	
	<i>NOTE: Image shows comparable version</i>	
		
		
5.4.1	Mount guiding brace holder left/right	9429 14101
5.4.2	Mount the guiding brace on the left/right	9442 14101



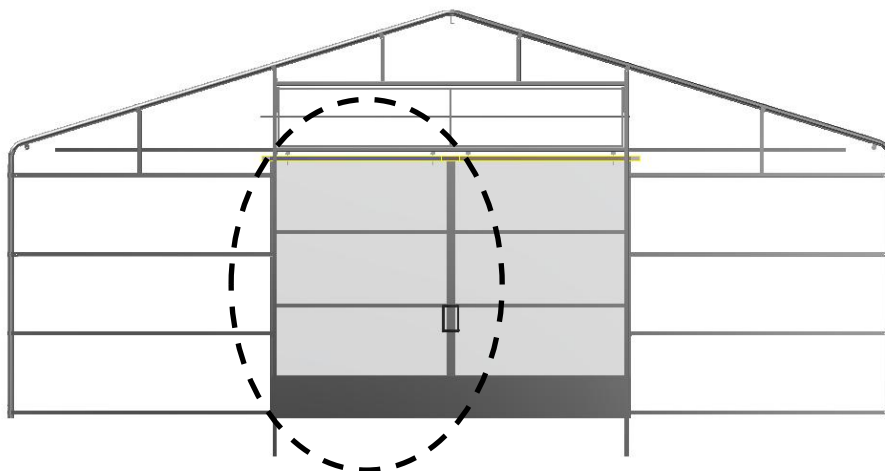
5.5.0	<b>Fan flap</b>	
	<i>NOTE: The image may show a comparable version</i>	
		
5.5.1	Position the ventilation flap – align evenly between the profiles	
		9201
		
5.5.2	Fasten ventilation flap with half clamps	9445
5.5.3	Position and fix left half clamps	14101
5.5.4	Position and fix the half clamps on the right	14101

5.6.0	<b>Display</b>	
	<i>NOTE: The image may show a comparable version</i>	
		
		
		
5.6.1	Mount stand	5212 14101
5.6.2	Hang rods	9216 19020

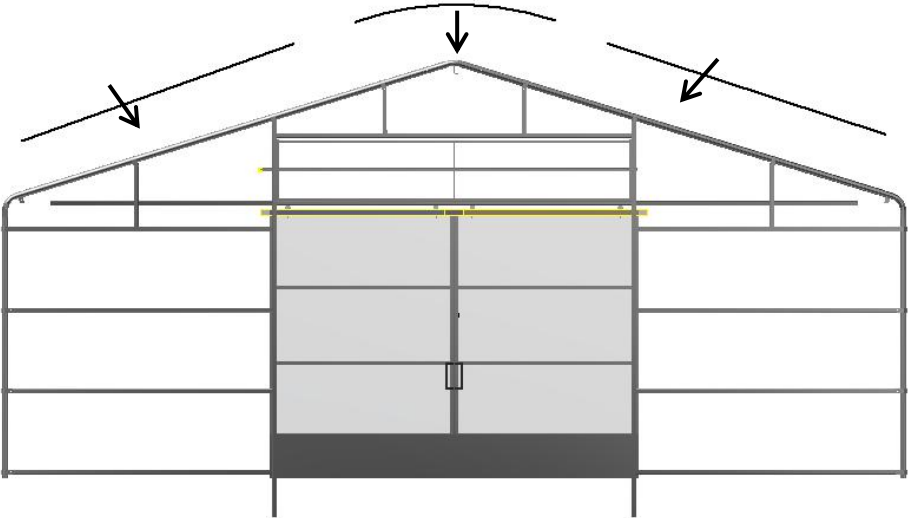
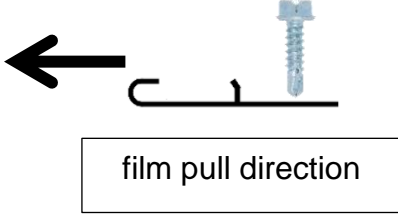
**5.7.0 Door assembly**


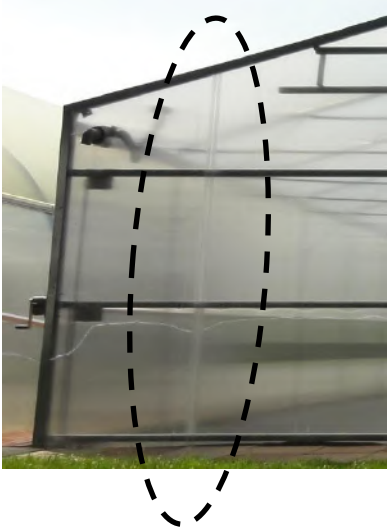



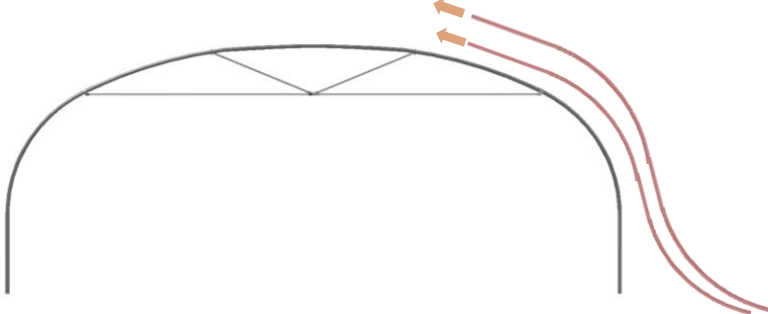
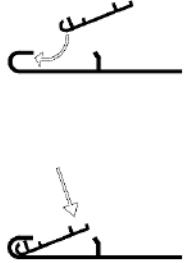

- 5.7.1 Screw the roller hangers into the holes provided 20003
- 5.7.2 Hang the door in the sliding rail 9092
- 5.7.3 Put the doorstop at the end of the sliding rail 20004
- 5.7.4 Install door handle 15004

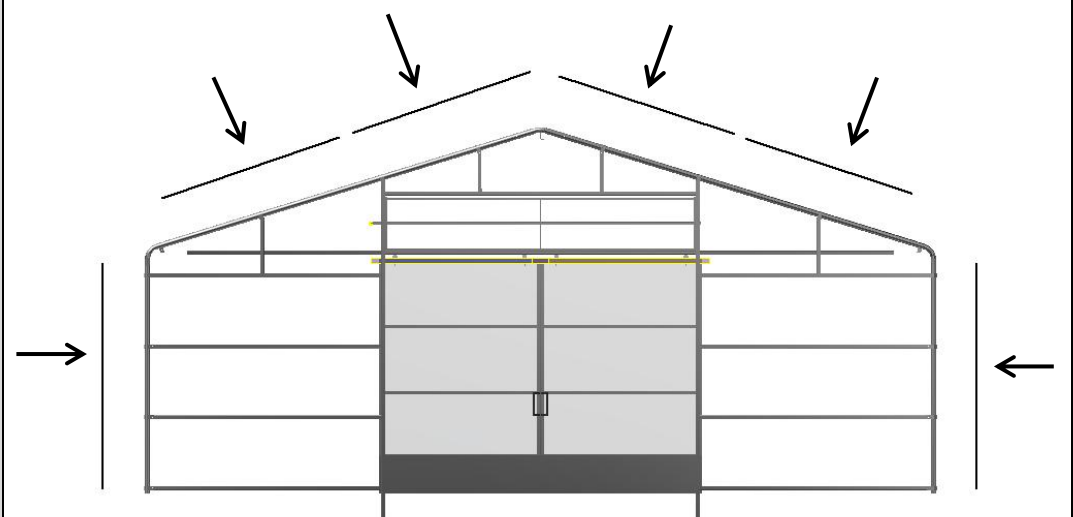


- 5.7.5 Repeat steps 1.8.1 to 1.8.4 for the second door element

5.8.0	<b>Mount single aluminum</b>	
		
5.8.1	Lay the single aluminum (6m length) over the gable up to the double aluminum	18020
5.8.2	Fastening - Self-drilling screw 4.8x19 at a distance of about 30cm	14101
	<p><i>NOTE:</i>  <i>Profile direction = film pull direction</i></p>	

5.9.0	<b>Gable cladding</b>		
			
5.9.1	<p>Place web plates and screw</p> <p><i>NOTE: Bolts with sealing washers</i></p> <p><i>NOTE: Screw distance about 30cm</i></p> <p><i>NOTE: Adjust the multi-wall sheets to the gable contour using a cutter knife</i></p>	<p>13021</p> <p>14102</p>	
		<p>H-Schiene</p> 	13022
5.9.2	Connect the abutting edge of the web plates to the H-rail	13022	
5.7.3	Foam tape - mask off the sharp edge of the web plate to protect the film		
5.9.4	Repeat steps 1.9.1 – 1.9.3 for the other half of the gable		

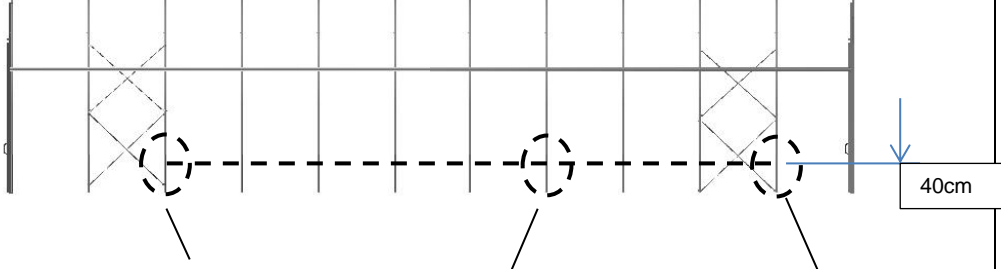

6.0.0	Roof foil		
	<p><b>Note: Prerequisite for the installation of the foil is no wind and temperatures above 8°C!</b></p> 		
	<i>NOTE: The image may show a comparable version</i>		
	<i>NOTE: Before the foil is mounted, mask off sharp edges, screws, etc. so that the foil is not damaged.</i>		
6.1.1	Pull the foil over the frame from one long side - use a rope of appropriate length		13003
6.1.2	<i>NOTE: Knot the foil at the corners with a rope as a pulling aid</i>		
6.1.3	With double foil, the panels are pulled over the frame one after the other (see also diagram)		
6.1.4	Fasten the foil on the gable end to the aluminum profile using a hammer-in strip		16001
6.1.5	Fasten foils in the longitudinal direction in the aluminum profile using a hammer-in strip <i>NOTE: Pull the foil taut before wrapping</i>		16001


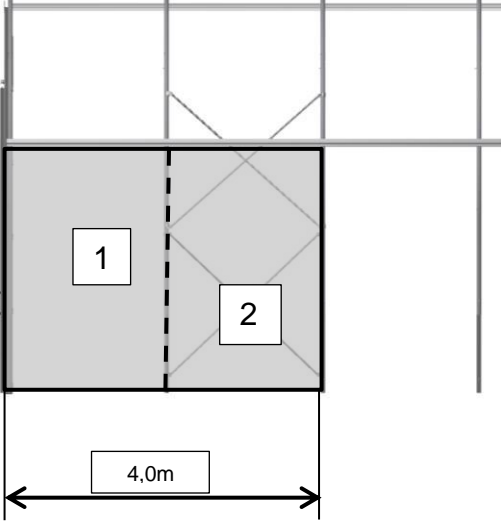
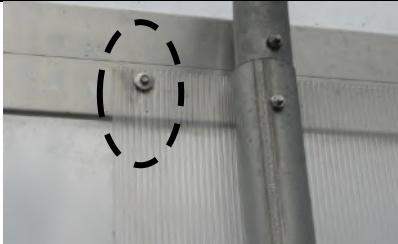
6.2.0	Angle plate - gable end	
		
6.2.1	<p><i>Mount angle plate</i></p> <p><i>Note: every 50cm with a self-drilling screw</i></p> <p><i>Note: Sheets must overlap</i></p>	<p>9462</p> <p>14101</p>






## Seitenlüftung


	Quantity	Item No.	Description
3.1	1,82	13021	Double web sheets 4 x 2.10 m x 2.60 m 2 x 1.00 m x 2.60 m
3.2	1,37	13022	H-rails 2 x 2.60 m
3.3	16,00	13002	Foil: 10m wide, transparent divided for side ventilation
3.4	9,00	16001	Impact strip Poppen 4m long
3.5	14,00	14062	Fender Washer: 6.4x40
3.6	6,00	9249	Winding pipe 6.00m
3.7	4,00	9411	winding tube connector
3.8	2,00	20030	hand crank gear
3.9	2,00	9538	telescopic arm (drilled)
3.10	2,00	7030847	Danger sticker Danger sticker
3.11	40,00	20011	plastic clips 1"
3.12	32,00	13034	Sheathed wire rope
3.13	2,00	19021	wire rope clamp
3.14	2,00	20005	wire rope tensioner
3.15	50,00	20139	Webbing 23mm for side ventilation
3.16	16,00	13013	Tubular film: 1.66m transparent divided for cannicle catching
3.17	0,53	9253	Aluminum profile 6.00 m 2 x 1.60 m
3.18	0,70	9253	Aluminum profile 6.00 m 2 x 2.40 m
3.19	2,00	16001	Impact strip Poppen 4m long
3.20	5,00	13013	Tubular foil: 1.66 m transparent 2 x 2.70 m long
3.21	50,00	14102	Self-drilling screw: 4.8x19 m.D.
3.22	100,00	14101	Self-drilling screw: 4.8x19
3.23	20,00	14103	Self-drilling screw: 6.3x 25
3.24	4,00	14006	Carriage bolts: 8x70
3.25	2,00	14005	Carriage bolts: 8x50
3.26	10,00	14053	Machine screws: 10 x 40
3.27	4,00	14050	Machine screws: 10 x 90




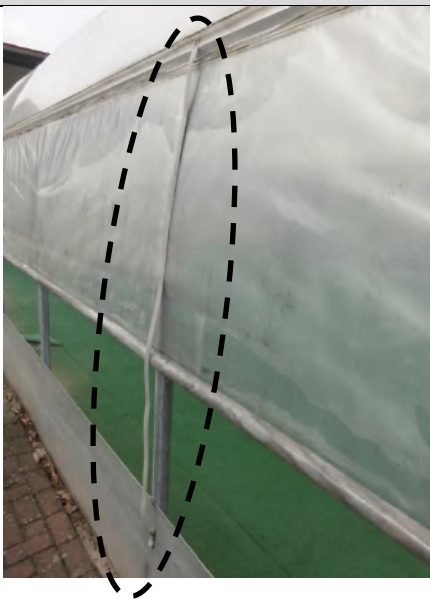

<b>7.0.0</b>	<b>Rabbit catch</b>	
	<i>NOTE: Only for version with side ventilation</i>	
		
		
	<i>NOTE: The image may show a comparable version</i>	
7.1.1	Dig a trench alongside the greenhouse - approx. 20cm wide and 20cm deep	13021 14102
7.1.2	Fix the wire tensioner with 2x self-drilling screws	13022
7.1.3	Lead the wire around the frame tube at the other end of the greenhouse and fix it with a wire clamp	
7.1.4	Pull the wire taut using the wire tensioner	13021
7.1.5	Foil - place the fold over the wire and align (left/right/bottom)	
7.1.6	Lay the overhang of the film evenly in the dug trench	9459 14101
7.1.7	Screw the fender washer and self-tapping screw to each frame to hold the wire in place	
7.1.8	<i>NOTE: Wire height about 50cm</i>	

8.0.0	<b>Side panel</b>		
	<i>NOTE: Only for version with side ventilation with hand crank gear / motor drive and telescopic rod</i>		
			
	<i>NOTE: The image may show a comparable version</i>		
8.1.1	Place the web plate (1) and screw it on <i>NOTE: Push the web plate under the aluminum profile at the top</i> <i>NOTE: Bolts with sealing washers</i> <i>NOTE: Screw distance about 30cm</i>	13021 14102	
8.1.2	Butt edge of the web plate - set H-rail (dashed line)	13022	
8.1.3	Place web plates (2) and screw <i>NOTE: Push the web plate under the aluminum profile at the top</i> <i>NOTE: Bolts with sealing washers</i> <i>NOTE: Screw distance about 30cm</i>	13021 14102	
8.1.4	Fix the web plate inside to the aluminum profile with a screw		14102
8.1.5	Repeat steps 5.8.1 – 5.8.3 for the other half of the gable		

9.0.0 Fan for double foil			20028
			
9.1.1	Cut a hole (Ø90mm) in the web plate		
9.1.2	Push the blower through the hole Secure the		
9.1.3	blower with a counter plate (bayonet lock)		
9.1.4	Place the 90° elbow on the socket from the outside		
9.1.5	<i>NOTE: Suction direction downwards</i>		
9.1.6	Injection valve position approx. 50cm from gable		
9.1.7	Cross cut approx. 80 mm in foil (inner foil only)		
9.1.8	Turn the injection valve in a cross cut		
9.1.9	Secure the injection valve with a counter plate (bayonet lock)		
9.1.10	Place hose on blower and injection valve		
9.1.11	Secure the hose with a clamp		
9.1.12	Electrical connection 230V <i>NOTE: The electrical connection may only be carried out by authorized/trained persons (electricians).</i>		

10.0.0	Side foil	
		
10.1.1	Winding pipe - place the connector between the winding pipe and screw	9249 9411 14053
10.1.2	Lay the winding pipe lengthways next to the greenhouse	
10.1.3	Wrap foil with fold in aluminum profile	13013
10.1.4	<i>NOTE: Align foil before wrapping</i>	
10.1.5	Angle pipe - place on the open side of the foil	
10.1.6	Foil 2 turns on angle tube	20011
10.1.7	Fix foil on winding tube with plastic clips (distance 2m)	
10.1.8	Foil 1 turn on the winding tube	20011

10.2.0	<b>Drive (hand crank gear)</b>	
		
	<i>NOTE: The image may show a comparable version</i>	
10.2.1	Place the hand crank mechanism on the gable - approx. 1.0m high	20030
10.2.2	Transfer hole spacing from hand crank gear to gable	
10.2.3	Remove hand crank gear and drill 10.00mm holes	
10.2.4	Mount hand crank gear in holes	20030 14050
10.2.5	Telescopic arm – slide the holder into the roller tube and fix it	9538
10.2.6	Screw the telescopic arm to the gearbox	14053
10.3.0	Repeat steps 10.1.1 – 10.2.6 on the other side of the greenhouse	

<b>11.0.0</b>	<b>Mount straps</b>	
		
	<p><i>NOTE: The image may show a comparable version</i></p>	
11.1.1	<p>The straps are attached to every other arch using self-drilling screws.  <i>NOTE: Webbing at the top of the aluminum clamp profile and at the bottom center of the rabbit catch</i></p>	<p>20139 14102</p>
<b>12.1.0</b>	<b>Cover apron side ventilation</b>	
		
	<p><i>NOTE: Position - opposite side of hand crank</i></p>	
12.1.1	<p>Dig a trench along the greenhouse - approx. 20cm wide and 20cm deep - from the gable approx. 2.0m in the longitudinal direction</p>	
12.1.2	<p>Fix aluminum clamping profile (single) 1.6 m long to aluminum clamping profile (double) using self-drilling screws</p>	<p>9253 14101</p>
12.1.3	<p>Wrap the foil apron - width 1.66m x 2.5m with the short side</p>	<p>13013 16001</p>
12.1.4	<p><i>NOTE: Fold in top and gable end</i></p>	
12.2.0	<p>Evenly weigh down the foil in the trench with soil / no folds!</p>	



## Contact information

Austria



Belgium



Croatia



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Estonia



Finland



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Germany



Ireland



Italy



Latvia



Lithuania



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