XIMAX®

DESIGNCARPORTS
by ximax

Assembly Instruction

Linea

Version 05/2024

Table of Content

For the assembly of the Tandem version, there is additional information in the supplementary manual for these steps!

For the assembly of the M version, there is additional information in the supplementary manual for these steps!

For the assembly of the Y version, there is additional information in the supplementary manual for these steps!

Assembly Instructions

1. Before setting up the carport, ensure compliance with the applicable local building regulations!
2. Concrete quality for the foundations: C25/30 or similar. The exposure classes for reinforcement corrosion and concrete attack depend on the specific location and must be taken into account.
3. The instructions in this assembly manual contain important information to ensure that this product functions reliably and safely. Please follow the subsequent instructions when assembling the carport!

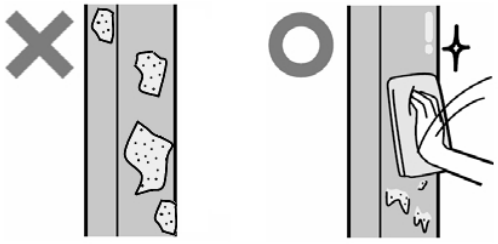
Achtung	Wenn das Produkt unsachgemäß aufgebaut wird, besteht Verletzungsgefahr für den Nutzer oder die Möglichkeit, dass das Produkt beschädigt wird. Ein beschädigtes Produkt kann zu Verletzungen führen. **Eine Übersicht zu den Sicherheitshinweisen bildet der folgende Abschnitt. Bitte lesen Sie ihn sorgfältig, um Beschädigungen oder Verletzungen zu vermeiden!**

1. The carport is intended as a shelter for a car. Please do not modify or expand it for use as a storage shed, recreational area, or living space.
2. This product is designed for general environmental conditions. The carport can be installed in regions with the appropriate snow load zone. Do not place the carport in areas with very heavy snowfall.
3. Do not install the carport in a location where it can be directly hit by roof avalanches. Falling snow masses can damage the carport.
4. It is recommended to place the carport in a location where it is protected from strong winds by a wall, house facade, or similar structure. The front frame should face the building to reduce the impact of strong winds.
5. The carport is designed to be assembled on level ground. Please do not install the carport on rooftop terraces or similar structures.
6. Do not place the carport on steeply sloped terrain.
7. Ensure that the posts are positioned so as not to damage underground utilities (water pipes, underground cables, etc.).
8. Assembly should be carried out by professionals.
9. Do not make any modifications to the carport unless permitted by our instructions. (Do not install additional roof structures or add walls to create an enclosed space!)
10. Use the sealant as instructed.
11. Do not use additives in the concrete, as they can also cause corrosion.
12. Ensure that the place where the carport will be installed is level and that the posts are vertically aligned. Failure to do so may compromise the structure.
13. Follow the assembly instructions and ensure that all screws and nuts are tightened securely.
14. Use only the specified parts or optional parts for the carport.
15. Foundations must be founded frost-free and comply with the specifications of the structural calculation. If modifications are made (e.g., execution of a base plate), consult a structural engineer.
16. Ensure that a layer of gravel is placed below the foundations to ensure drainage. Additionally, drill 6 mm diameter drainage holes above the foundations at the base of the posts. Otherwise, water may accumulate in the posts and damage them when it freezes and expands.
17. Allow the concrete foundations to cure properly (4 to 7 days) and do not load the posts during this time or expose them to vibrations.
18. Do not use sea sand for the foundations, as it can cause salt corrosion.
19. Do not use larger drills than specified for drilling the drainage holes.
20. Ensure that aluminum parts do not come into contact with other metals such as copper or iron. Use insulation materials such as tape or bitumen paint if necessary to prevent corrosion.

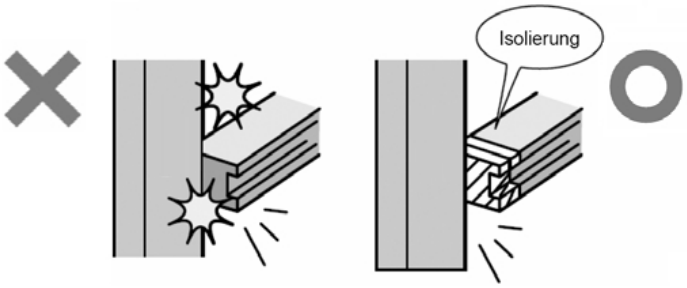
Precautions During Assembly

1) Do not use sea sand for the foundations, as it can cause salt corrosion. Avoid using additives, aggregates, or antifreeze agents that accelerate concrete curing, as these can also lead to corrosion on the supports

2) Immediately wipe off stains or mortar from the surface of aluminum parts, as these can also cause corrosion.

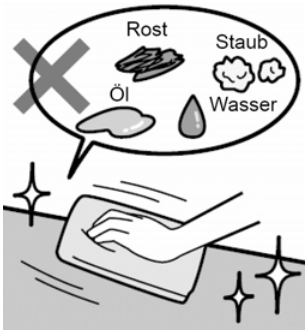


3) Ensure that aluminum parts do not come into contact with other metals such as copper or iron. Use insulation materials if necessary to prevent corrosion.

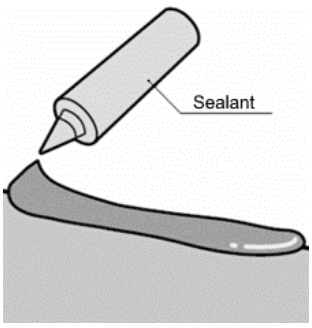


4) Ensure a cleanliness layer (approximately 5 cm) is placed under the foundations and that drainage of the supports is ensured. Drill drainage holes (Ø 6) at the end of the posts. Otherwise, water may accumulate in the supports and damage them when it freezes and expands.

5) Clean the surface before applying the sealant.



6) Use the supplied sealant.



Assembly Instructions Carport LINEA (Standard Length 4954 mm)

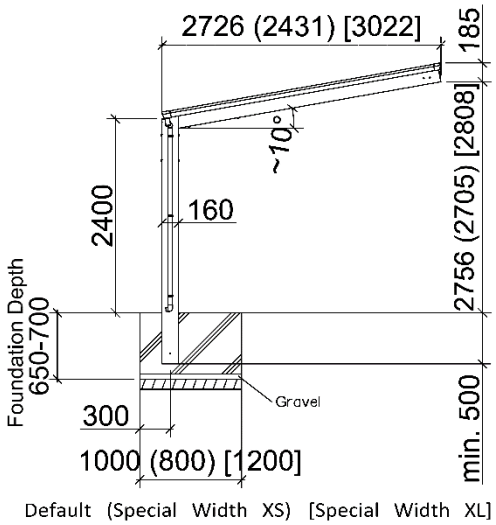
Main Dimensions and Views

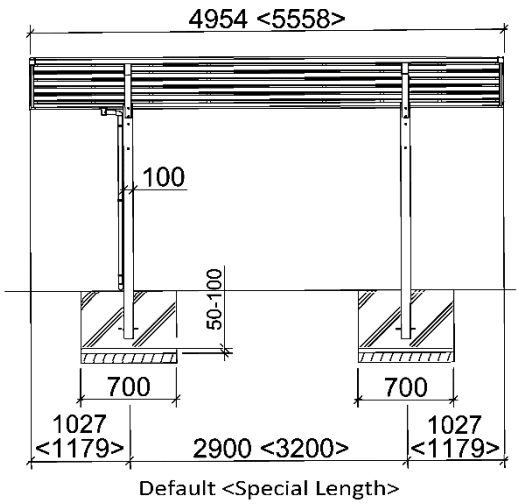
The sketches below depict the longitudinal and cross-sections as well as the bird's-eye view of the carport, highlighting all principal dimensions.

Additionally, the foundation dimensions and the position of the ground supports are illustrated.

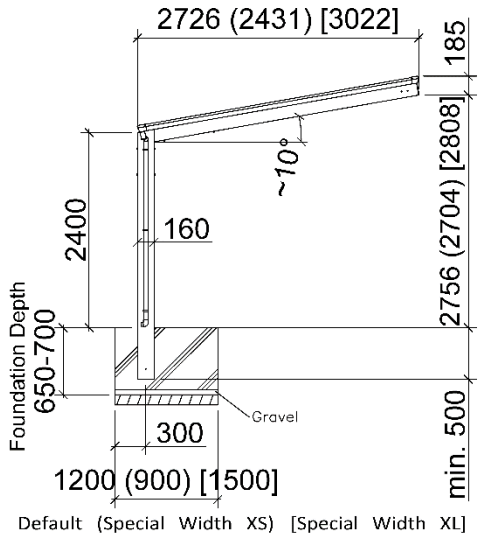
A thin layer of cleanliness (approximately 50-100 mm) can be seen at the bottom of the foundations, which can be made with gravel (grain size 0 – 16 mm). More details in Step 1.

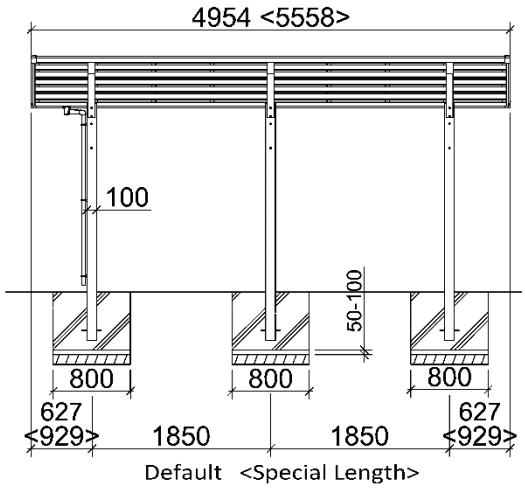
View for Type 60, 80:





View for Type 110:





The height can be chosen between **1900 and 2400 mm** as desired. The ground supports are **2900 mm** long and may need to be shortened or set deeper into the foundation if necessary.

For the **Caravan version**, a height of **2700 mm** can be achieved, and the foundation length changes to 1200 mm. Otherwise, the Caravan version does not differ in dimensions!

Attention: The immersion depth of the ground supports into the foundation must be at least 500 mm!

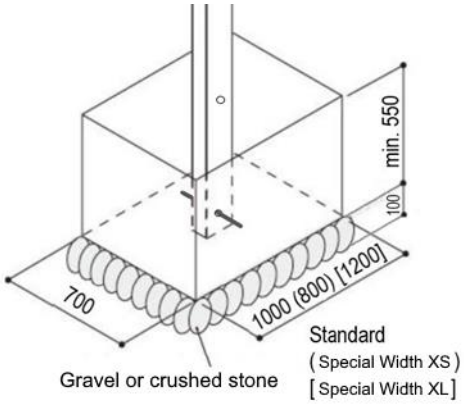
Example: If the foundation, including the cleanliness layer, is 600 mm deep, the ground supports rest at the bottom of the foundation, and you desire a height of 2000 mm, you must shorten the supports by 300 mm.

Attention:

Before starting assembly, ensure that all parts listed in the parts list (from page 14 onwards) are available!

Assembly Procedure

Step 1: Construction of foundations



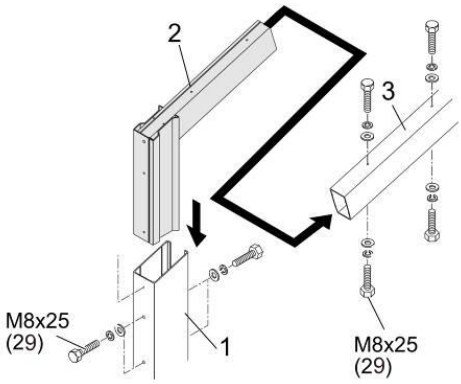
Dig the foundations according to the dimensions shown in the sketch on the right and on page 5.

Add a cleanliness layer approximately **50-100 mm** thick into the foundations. A layer of gravel (grain size 0 – 16 mm) is best suited for this purpose.

Step 2: Determine the height of the posts

If necessary, shorten the posts (1) to achieve your desired height **(between 1900 and 2400 mm)**. Note that the posts are standardly **2900 mm** long and must protrude at least **500 mm** into the foundations.

Step 3: Connect the posts with the rising beams



Connect the tops of the posts (1) to the rising beams (3) using the joint pieces (2) and hexagon screws with spring washers (29).

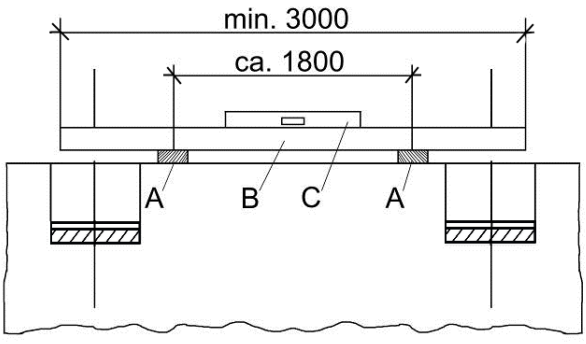
Step 4: Align the alignment wood

For assembly assistance, we alternatively offer a special assembly device (without alignment wood), which greatly simplifies the process and can be rented from us for a fee (see page 11).

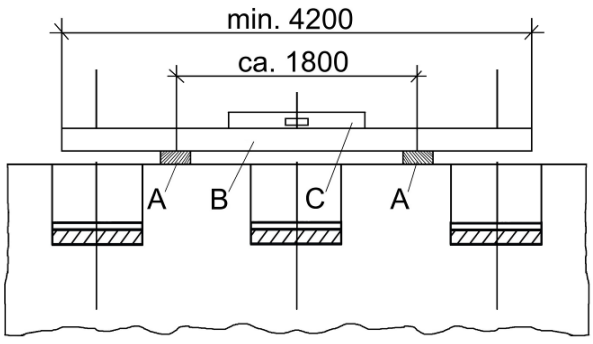
Prepare two wooden pieces as supports (A) between the foundations, with a center distance of approximately 1800 mm, to horizontally align a stable alignment wood (B) (e.g., 80 x 80 mm). This alignment wood should be at least 3000 mm long (4200 mm for Type 110).

Check the alignment using a spirit level (C).

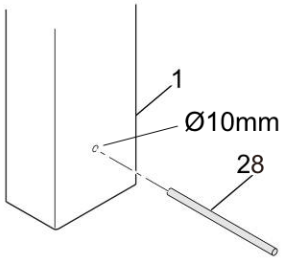
View for Type 60, 80:



View for Type 110:



Step 5: Attach anchor sticks to the posts



Attach the anchor sticks (28) to the posts (1). These bolts anchor the supports into the concrete and prevent them from being pulled out.

If you have shortened the posts and the original holes for the anchor sticks are no longer present, you must drill a new hole (Ø 10 mm drill bit), spaced approximately 50 - 200 mm from the bottom, in each post for the anchor stick.

Step 6: Aligning the posts

Place the first post (1), where the rain drainage will **not** be mounted, centrally into the excavated foundation. Ensure the distance from the center of the support to the back of the foundation is **300 mm**.
Raise the post until the desired height is reached and secure it with a wooden block (D) and clamp. Measure and secure the dimension x (end of the post to the upper edge of the leveling timber (B)). Align the construction exactly at right angles using battens and clamps.

View for Type 60, 80:

Align the second post, where the rain drainage will later be mounted, in the same manner. However, allow it to extend **about 15 mm (dimension x + 15)** further into the foundation to create a slope for rain drainage. The distance between the inner sides of the posts must be exactly **2800 mm**.
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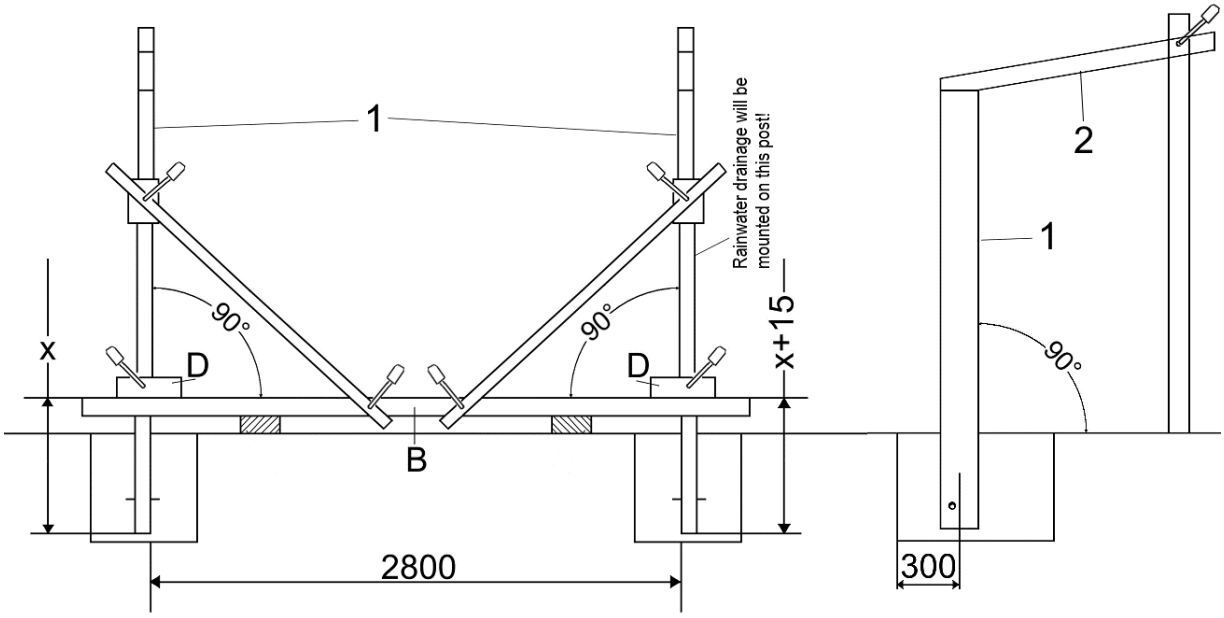
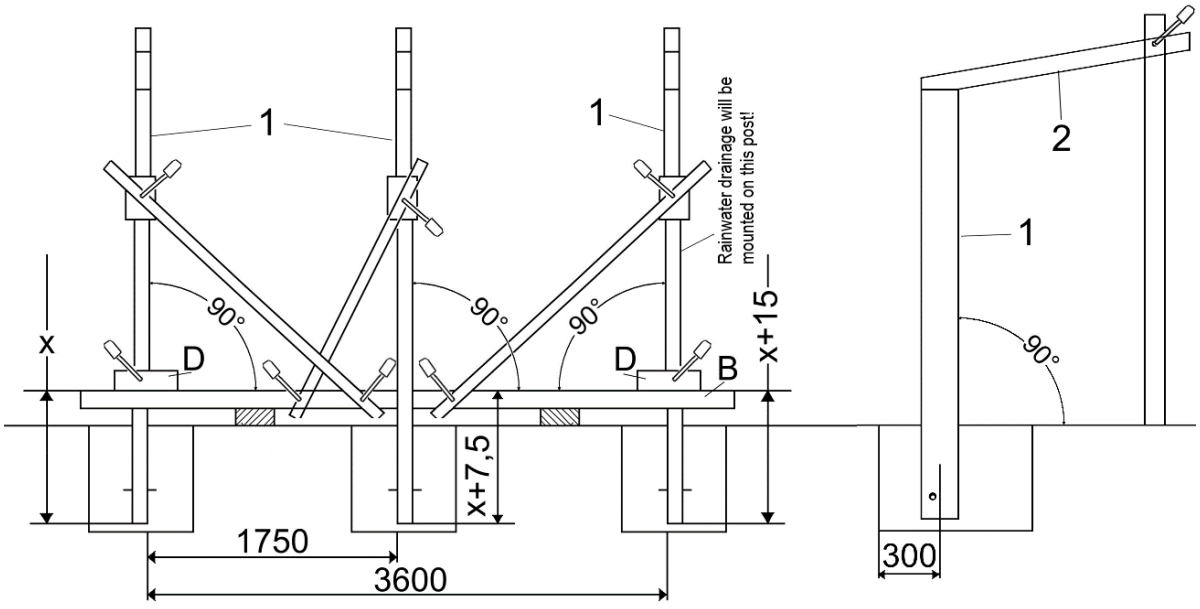


View for Type 110:

Align the third post, where the rain drainage will later be mounted, in the same manner. However, allow it to extend **about 15 mm (dimension x + 15)** further into the foundation to create a slope for rain drainage. The distance between the inner sides of the posts must be exactly **3600 mm**.
Align the middle post with a distance of **1750 mm** and allow it to extend about 7.5 mm **(dimension x + 7.5)** further into the foundation. (Rain drainage)



Step 7: Mounting of the front / rear frame and purlins

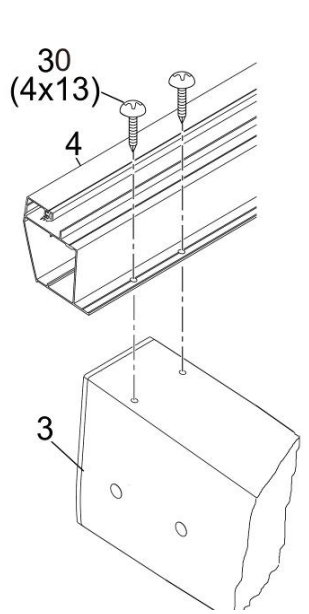
Now, in the construction created in step 6 (page 7), connect the rising beams (3) attached to the posts first to the rear frame (5) and then to the front frame (4).

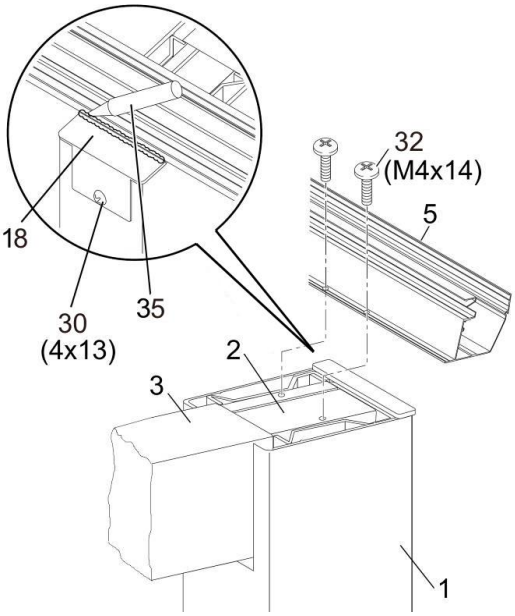
This creates a profile construction in which the distances between the posts (1) and the rising beams (3) are fixed. The two distances between the inner sides of the beams must be **2800 mm**
(for type 110: **3600 mm**) and the construction must be at an angle (90°).

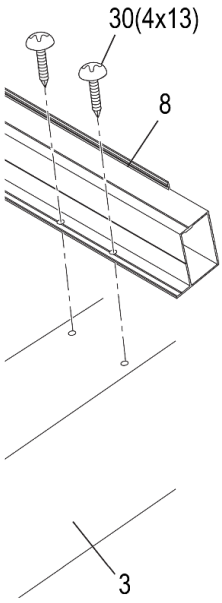
Now connect the purlins (8) to the rising beams (3) using the 4 x 13 mm self-drilling screws (30).
Caution: The flange of the side rails must face the rear frame (5) with the existing holes.

Ensure that screws are not overtightened and torn off. Torn off screws impair the wind and snow load of the carport. If screws are torn off, a new hole must be drilled next to them and the beam re-screwed.

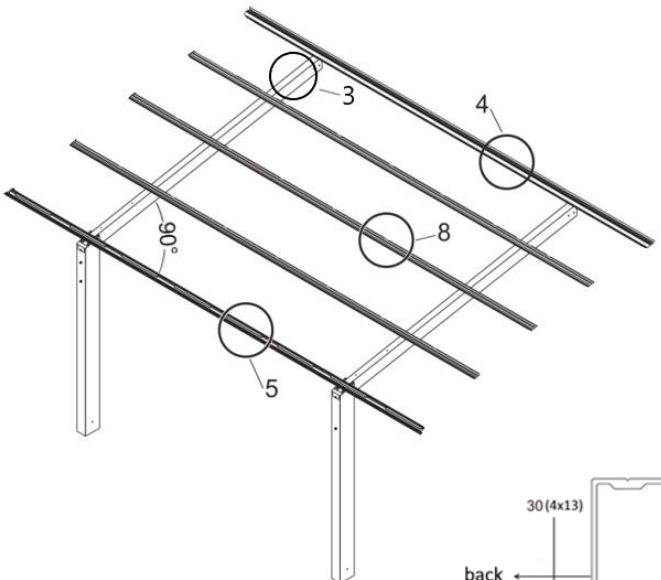
The post cap (18) can then be fastened with 4 x 13 mm self-drilling screws (30) and then sealed (35).
(Application instructions for the sealing material on page 13)



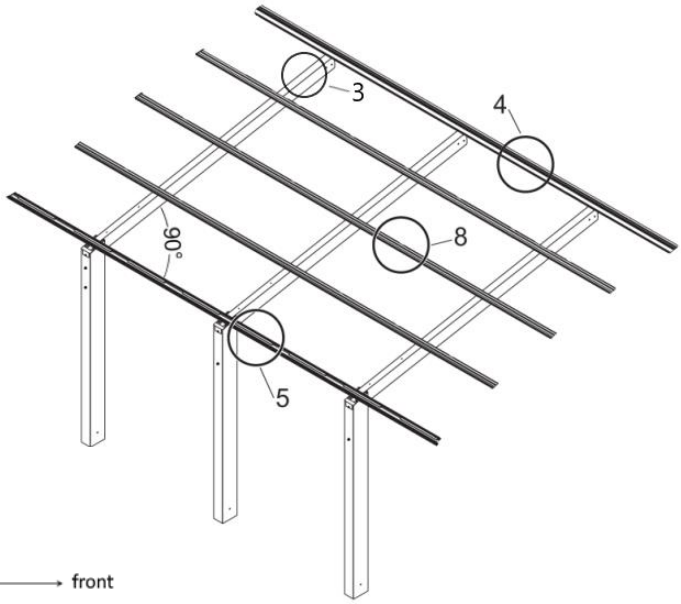


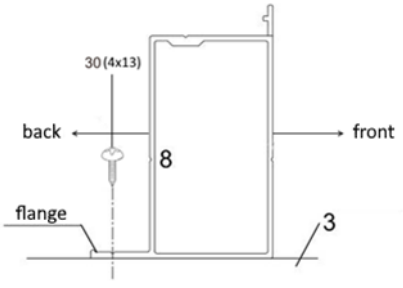


View for Type 60, 80



View for Type 110





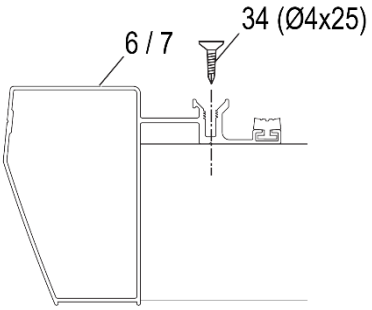
Step 8: Fill the foundations with concrete

Fill the foundations with concrete (for concrete quality, see page 3), which should be lightly "tamped" with a square timber. Approx. 1 m³ (for type 110: 2 m³) of concrete is required.
If you want to reinforce the foundation, you will find the necessary steps on page 12.

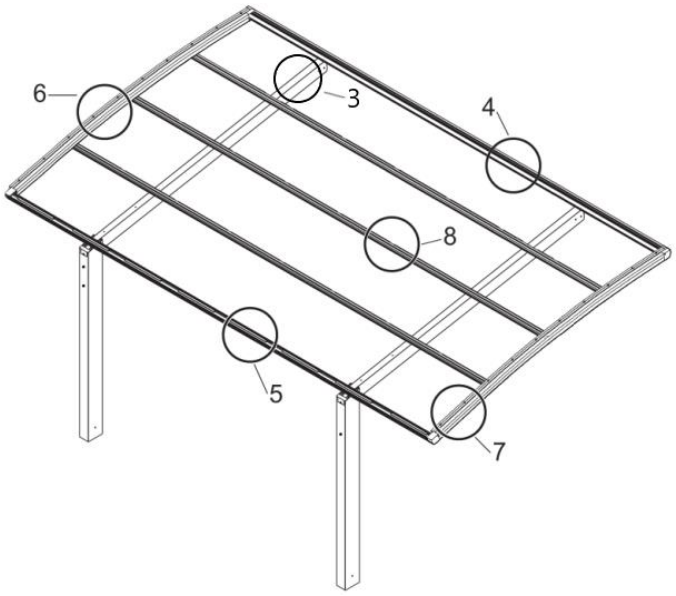
Important: Allow the concrete to harden for a few days!

Step 9: Mounting of the right and left side frames

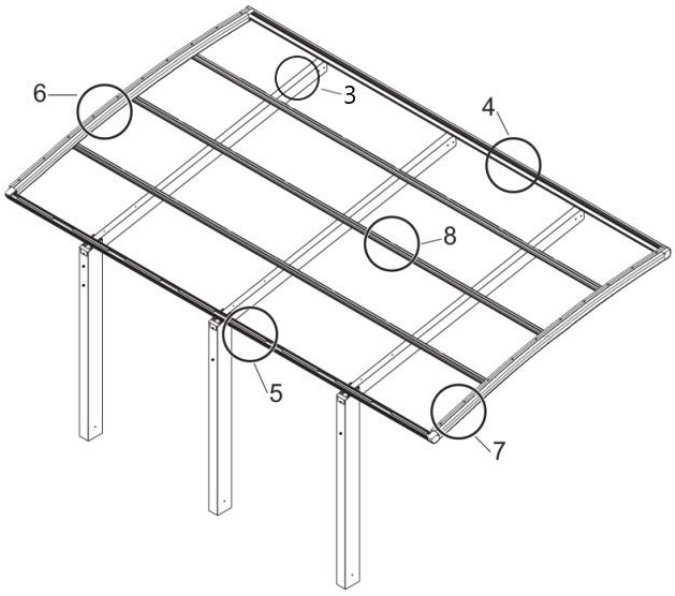
Connect the side profiles on the right (6) and left (7) to the front (4) and rear frame (5) and to the purlins (8) using the 4 x 25 mm self-drilling screws (34).



View for Type 60, 80:



View for Type 110:

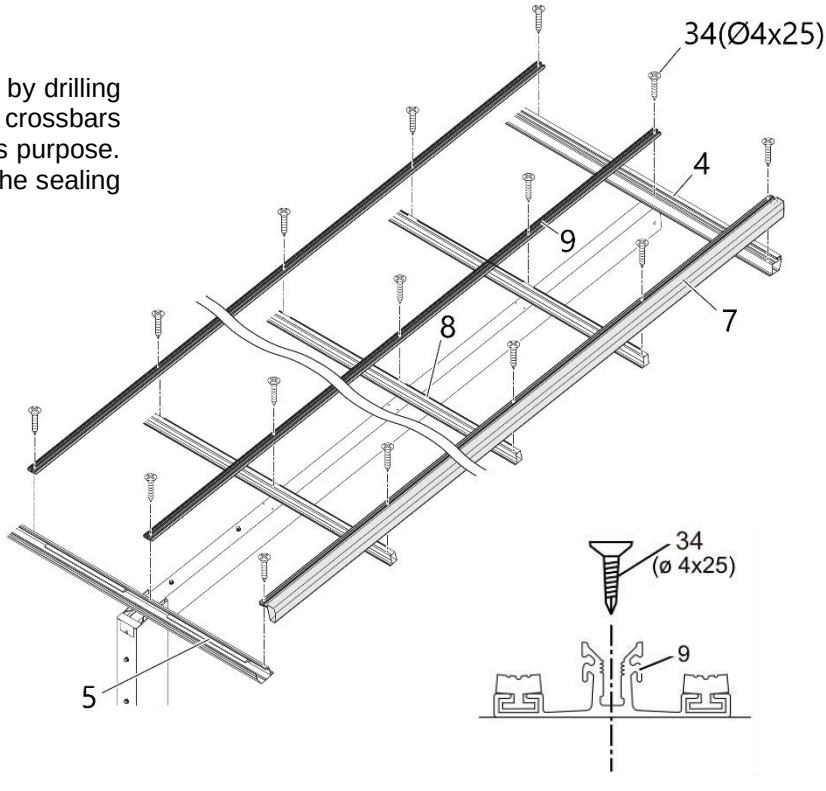


Step 10: Fastening the collar beams

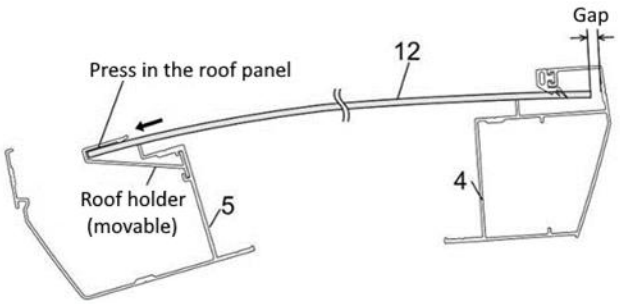
Now secure the collar beams (9) to the purlins (8) by drilling the 4 x 25 mm self-tapping screws (34) through the crossbars into the side members at the point provided for this purpose. Then seal the front and rear frame (4 and 5) with the sealing material (35).

Note: The purlin (8) do not have pre-drilled holes for the collar beams (9). The collar beams (9) are placed in the recesses on the purlins (8) and fastened with the 4 x 25 mm self-tapping screws (34).

Note: The collar beam is already integrated in the right and left side frames.

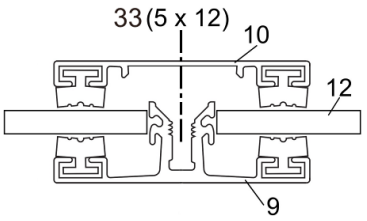


Step 11: Clamping the polycarbonate roofing



Check which is the top and bottom of the polycarbonate roofing. An identification sticker is affixed to the underside.

Remove the protective film from the polycarbonate roofing (12) and place the roofing on the collar beams (9) or right and left side frames (6 and 7) and press them into the roofing holders (on the front and rear side rails (4 and 5)) from the front.



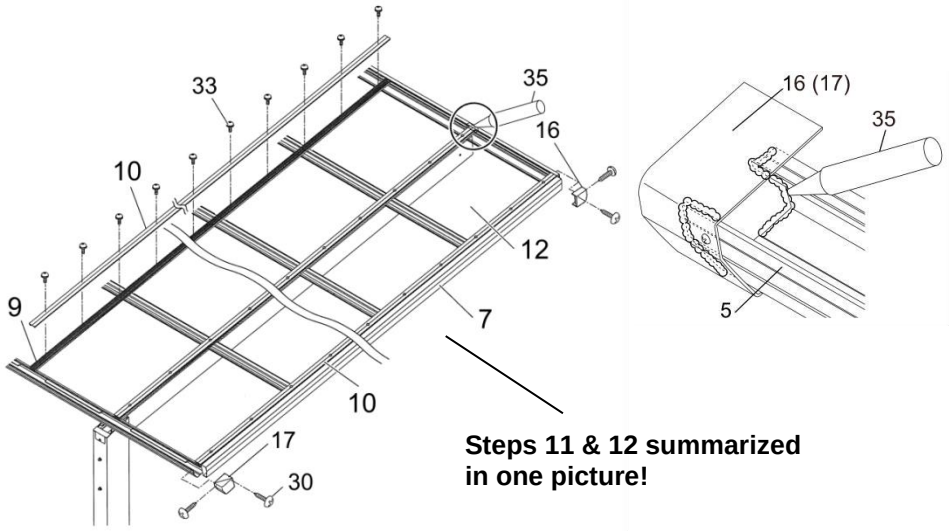
A cleaning recommendation for the polycarbonate roofing can be found on page 12!

The roof holder (10) are then attached using the 5 x 12 mm sealing screws (33). The roofings (12) are thus clamped and sealed between the collar beams (9) and the roof holders (10). The roof holders (10) must then be sealed to the front and rear frame (4 and 5) using the sealant (35).

Step 12: Attach corner caps

Adjust the corner caps (16 / 17) by hand. Pre-drill the holes for the screws with a drill (Ø 3.2 mm), fasten with the 4 x 13 mm self-tapping screws provided (30) and then seal (35).

Application instructions for the sealing material on page 13.



Steps 11 & 12 summarized in one picture!

Step 13: Installing the rainspout

Drill three holes (Ø 3.5 mm) in the post (1) to screw the pipe holder B (25) in place using the screws 4 x 25 mm (34).

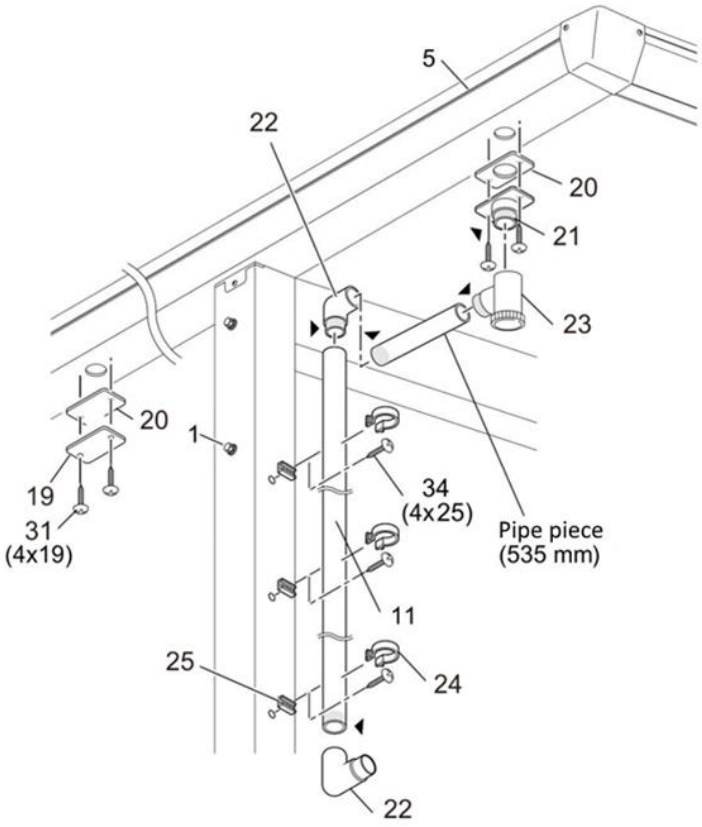
Screw the attachment (21) to the rear frame (5) using the packing (20) and the 4 x 19 mm self-drilling screws (31) provided. Attach the drainage elbow (23) to the attachment (21).

The rainspout is supplied with a length of 3.3 m and must be cut according to the lengths of the pipe sections.

Saw off a suitable pipe piece from the rainspout (11) between the drain elbow and the upper elbow (22).
saw off. Apply adhesive (26) to all areas marked with a black arrow on the sketch.
Connect elbow (22), pipe section, drain elbow (23) and attachment (21).

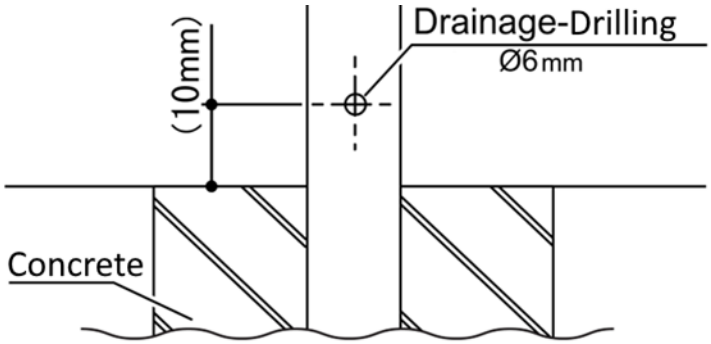
Saw the rainspout to length, apply adhesive (26) to the lower end of the pipe (11) and insert the elbow (22). Attach the pipe (11) to the post (1) using the pipe holders A (24).

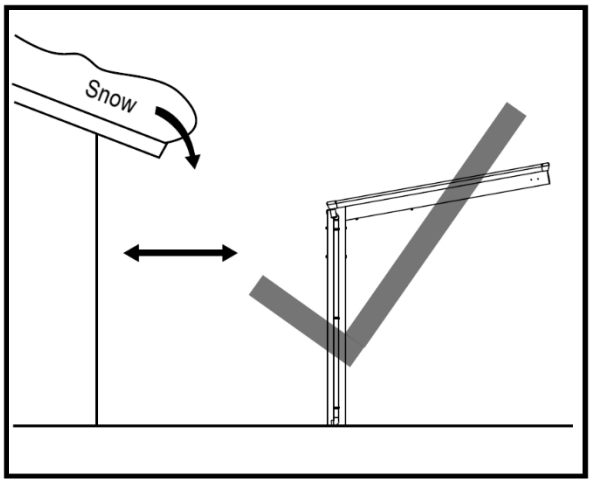
Close the opposite drain opening using the second packing (20) and the hole stopper (19) with the aid of the 4 x 19 mm self-tapping screws (31).

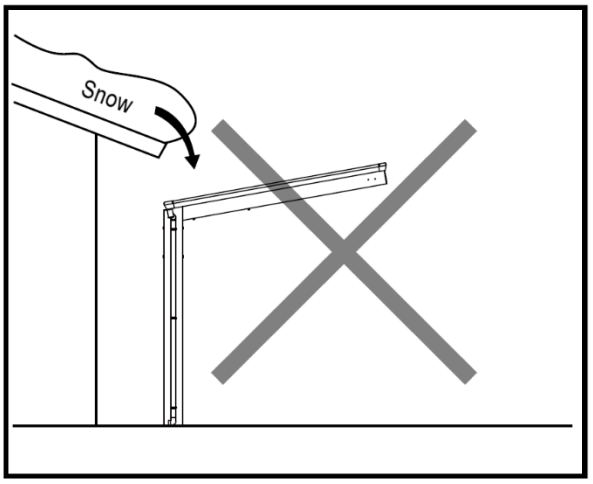


Drainage-Drilling

Attention: To ensure that moisture can drain away (risk of frost), a drainage hole must be drilled in all posts.







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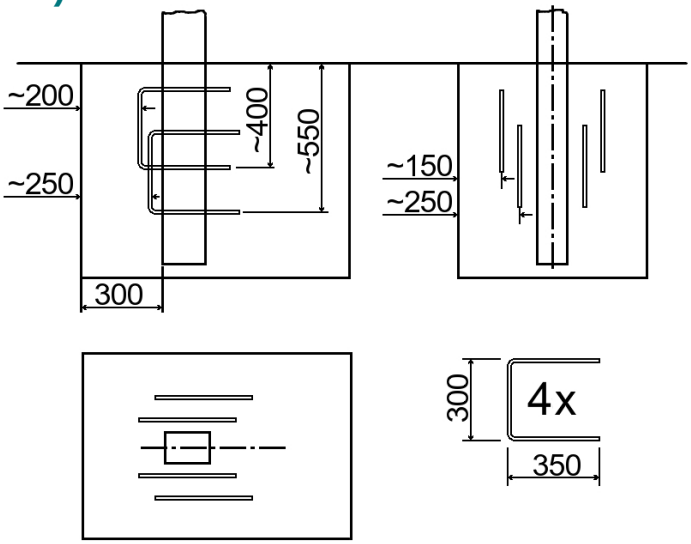
Reinforcement of the foundation (optional)

As additional reinforcement for the foundation, you can use structural steel round bars (10 - 12 mm) or, for example, railing bars made of wrought iron, depending on what you can find in the DIY store or what you may have in stock.

Take a total of 4 pieces, each 1 m long, and bend them according to the sketch shown.

During concreting, press the bent pieces into the concrete so that they are positioned approximately as shown in the sketches.



Cleaning recommendations for polycarbonate

Polycarbonate has a non-porous surface to which dirt can hardly adhere. Dusty parts should be wiped off with water, a soft cloth or sponge, never wipe dry!

For thorough cleaning, we recommend using a non-abrasive cleaning agent. Razor blades or other sharp tools, abrasive or highly alkaline cleaning agents, solvents, leaded petrol and carbon tetrachloride must not be used.

A microfiber cloth moistened only with water has a good, largely streak-free cleaning effect. For heavier soiling, especially greasy soiling, benzene-free petroleum ether (white spirit, light petroleum ether) can also be used for the PC.

Paint splashes, grease, sealant residues etc. can be removed before curing by lightly rubbing with a soft cloth soaked in ethyl alcohol, isopropyl alcohol or petroleum ether. Rust stains can be removed with a 10% oxalic acid solution.

All systems of a mechanical nature, e.g. with rotating brushes, scrapers etc., are not suitable for PC, even if the brushes are supplied with plenty of washing water, the panel surface can be scratched.

The use of corrosive cleaning agents and sharp-edged tools that could damage or scratch the surface must be avoided.

Frost protection rainwater pipe

To prevent frost damage to the rainwater pipe, we recommend that you open the drainage bracket (23), which is mounted under the rear longitudinal profile (5), at regular intervals and remove any dirt. This is particularly important at installation locations where the carport can be hit by falling leaves or similar.

Cleaning the drainage angle can prevent the rainwater pipe from clogging over a longer period of time, causing rainwater to back up in the rainwater pipe.

In the event of blockages, the accumulated water in the rainwater pipe freezes in winter, expands and can then lead to frost damage.

Sealing material

Instruction:

1. Dry the application area completely and remove dust, oil and rust stains. Now cover the groove on both sides with adhesive tape.
2. Shorten the enclosed spray nozzle so that it fits into the groove and attach it to the thread provided on the top of the sealant. Now press the silicone out of the cartridge out of the cartridge until the groove is completely filled.
3. Then smooth the joint with a spatula, remove the adhesive tape and allow the silicone to cure for at least 24 hours.

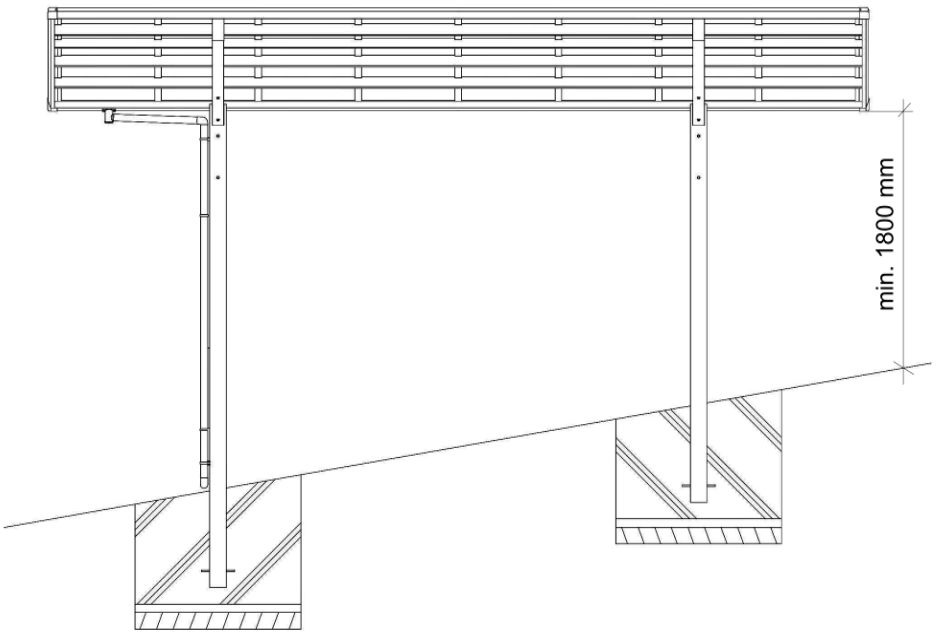
Caution:

- Verwenden Sie den Dichtstoff nur für den dafür vorgesehenen Zweck!
- Die Fuge muss bis zur vollständigen Aushärtung trocken gehalten werden.
- Achten Sie darauf, dass der Silikon nicht auf Ihre Kleidung gelangt.
- Verschließen Sie den Dichtstoff nach Gebrauch so, dass keine Luft eindringen kann.
- Der Dichtstoff darf nicht in die Hände von Kindern gelangen!

Installation on a slope

Install both the supports and the roof straight. Please note that the rear support must be shorter or further into the foundation, which also reduces the height. This should not be less than not be less than 1800 mm.

Caution: Do not install the carport on steep slopes!



Overview of models and packages

The following overview table shows the endings of the package numbers:

	Model	Code	Ending Package-Number															Total
Type 60	SBK	2450	KN201	KN4	KN21	K73	K43	K61	KP71	KP71	K101-06							9
	SBK + SL	2456	KN201	KN4	KN21	K74	KN45	K62	KP71	KP71	KP72	K101-06						10
	Standard	2750	KN201	KN5	KN22	K75	K43	K61	KP73	KP73	K101-06							9
	SL	2756	KN201	KN5	KN22	K76	KN45	K62	KP73	KP73	KP74	K101-06						10
	SBL	3050	KN201	KN6	KN23	K77	K42	K42	K61	KP79	KP79	K101-06						10
	SBL + SL	3056	KN22	KN22	KN3	KN3	KN13	KN13	K35	KN44	KN45	K62	KP79	KP79	KP80	KN83-06		14
Type 80	SBK	2450	KN201	KN4	KN521	K73	KN541	K61	KP71	KP71	K101-08							9
	SBK + SL	2456	KN201	KN5	KN521	K74	KN542	K62	KP71	KP71	KP72	K101-08						10
	Standard	2750	KN201	KN6	KN522	K75	KN541	K61	KP73	KP73	K101-08							9
	SL	2756	KN201	KN3	KN3	KN522	K76	KN542	K62	KP73	KP73	KP74	K101-08					11
	SBL	3050	KN22	KN22	KN3	KN3	KN13	KN13	K32	K42	K43	K61	KP79	KP79	K83-08			13
	SBL + SL	3056	KN22	KN22	KN3	KN3	KN13	KN13	K35	KN44	KN45	K62	KP79	KP79	KP80	K83-08		14
Type 110	SBK	2450	KN3	KN3	KN3	K11	K11	K11	KN21	KN21	KN21	K54	K68	K30	KP71	KP71	K81-11	15
	SBK + SL	2456	KN3	KN3	KN3	K11	K11	K11	KN21	KN21	KN21	K55	K69	K33	KP71	KP71	KP72	K81-11	16
	Standard	2750	K4	K4	K4	KN12	KN12	KN12	KN21	KN21	KN21	K50	K68	K31	KP73	KP73	K81-11	15
	SL	2756	K4	K4	K4	KN12	KN12	KN12	KN21	KN21	KN21	K52	K69	K34	KP73	KP73	KP74	K81-11	16
	SBL	3050	K4	K4	K4	KN13	KN13	KN13	KN22	KN22	KN22	K50	K68	K32	KP79	KP79	K81-11	15
	SBL + SL	3056	K4	K4	K4	KN13	KN13	KN13	KN22	KN22	KN22	K52	K69	K35	KP79	KP79	KP80	K81-11	16

Modell	**Size**	**Code**
Standard	4954 x 2726 mm	2750
Special Lengh (= SL)	5558 x 2726 mm	2756
Special Lenght + Special Width XS (= SL + SBK)	5558 x 2431 mm	2456
Special Lenght + Special Width XL (= SL + SBL)	5558 x 3022 mm	3056
Special Width XS (= SBK)	4954 x 2431 mm	2450
Special Width XL (= SBL)	4954 x 3022 mm	3050

Color	**Color-Code**
Edelstahllok *Stainless Steel Look*	SC
Schwarz *Black*	BK
Winterweiß *Winter White*	WW / IW

Depending on the color ordered, the "package number ending" is followed by the color code.
(e.g. "KN203 SC" for Stainless steel look)

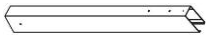
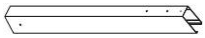
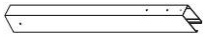
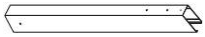
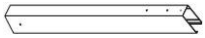
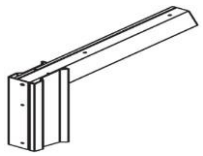
Parts list

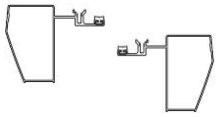
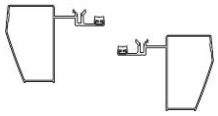
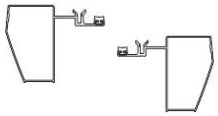
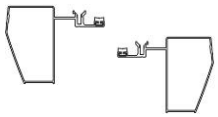
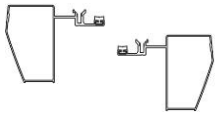
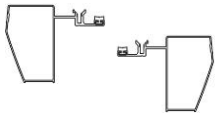
You will find the parts list on pages 15 - 17.

- Select your model from the model and parcel overview.
- Compare the parcel numbers and number of parcels with your shipment.
- Check that all parts are present according to the parts list.

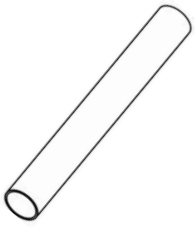
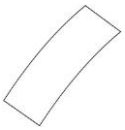
⚠ **Please note that the parts list contains the individual parts/packages for all models! Each model only requires the packages/parts specified in the model overview!**

Parts list

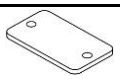
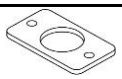
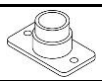
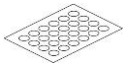
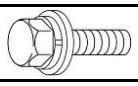
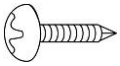
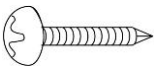
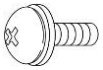
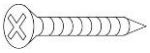
Pos.	Description	Image	Pcs.	Pack - Nr (Code)
1	**Post (24)**		2	VF-KN4
1	**Post (27)**		2	VF-KN5
1	**Post (30)**		2	VF-KN6
1	**Post DFS**		1	DF-KN3
1	**Post DFSD**		1	DF-K4
2	**Joint** + 2x Phillips head screw M 4 x 14 mm (32)		2	VF-KN201
			1	DF-KN21
			1	DF-KN22
3	**Rising Beam (24)**		2	VF-KN21
			2	VF-KN521
			1	DF-K11
3	**Rising Beam (27)**		2	VF-KN22
			2	VF-KN522
			1	DF-KN12
3	**Rising Beam (30)**		2	VF-KN23
			1	DF-KN13
4	**Front Frame (50)**		1	VPN-K61
			1	DHGN-K68
4	**Front Frame (56)**		1	VPN-K62
			1	DHGN-K69

Pos.	Description	Image	Stk.	Pack - Nr (Code)
5	**Rear Frame (50)**		1	VPN-K61
			1	DHGN-K68
5	**Rear Frame (56)**		1	VPN-K62
			1	DHGN-K69
6 • 7	**Side Frame right & left (2450)**		je 1	VF-K73
			je 1	DF-K30
6 • 7	**Side Frame right & left (2456)**		je 1	VF-K74
			je 1	DF-K33
6 • 7	**Side Frame right & left (2750)**		je 1	VF-K75
			je 1	DF-K31
6 • 7	**Side Frame right & left (2756)**		je 1	VF-K76
			je 1	DF-K34
6 • 7	**Side Frame right & left (3050)**		je 1	VF-K77
			je 1	DF-K32
6 • 7	**Side Frame right & left (3056)**		je 1	DF-K35
8	**Purlin (50)**		2	VPN-K42
			3	VPN-K43
			3	VPN-KN541
			4	DHGN-K54
			5	VPN-K50

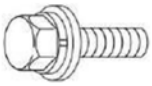
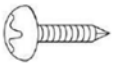
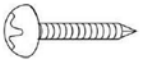
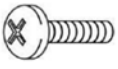
Pos.	Benennung	Bild	Stk.	Pack - Nr (Code)
8	**Purlin (56)**		2	VPN-KN44
			3	VPN-KN45
			3	VPN-KN542
			4	DHGN-K55
			5	VPN-K52
9	**Collar Beam (2450)**		7	VF-K73
			7	DF-K30
9	**Collar Beam (2456)**		8	VF-K74
			8	DF-K33
9	**Collar Beam (2750)**		7	VF-K75
			7	DF-K31
9	**Collar Beam (2756)**		8	VF-K76
			8	DF-K34
9	**Collar Beam (3050)**		7	VF-K77
			7	DF-K32
9	**Collar Beam (3056)**		8	DF-K35
10	**Roof Holder (2450)**		9	VF-K73
			9	DF-K30
10	**Roof Holder (2456)**		10	VF-K74
			10	DF-K33

Pos.	Benennung	Bild	Stk.	Pack - Nr (Code)
10	**Roof Holder (2750)**		9	VF-K75
			9	DF-K31
10	**Roof Holder (2756)**		10	VF-K76
			10	DF-K34
10	**Roof Holder (3050)**		9	VF-K77
			9	DF-K32
10	**Roof Holder (3056)**		10	DF-K35
11	**Rainspout***		1	VPN-K61
			1	VPN-K62
			1	DHGN-K68
			1	DHGN-K69
12	**Polycarbonat-Roofing (24)**		4	VP-KP71
			1	VP-KP72
12	**Polycarbonat-Roofing (27)**		4	VP-KP73
			1	VP-KP74
12	**Polycarbonat-Roofing (30)**		4	VP-KP79
			1	VP-KP80

*For transportation, the rain tube is inserted into the front or rear longitudinal profile.

Small Parts Box						
Pos.	**Description**	**Image**	**Pcs.**	**Pack - Nr** (Code)	**Pcs.**	**Pack - Nr** (Code)
16	**Front / Rear Frame Corner Cap (L)**		2	VF-K101-	2	DF-K81-
			2	DF-K83-	2	DF-KN83-
17	**Front / Rear Frame Corner Cap ®**		2	VF-K101-	2	DF-K81-
			2	DF-K83-	2	DF-KN83-
18	**Post Cap**		2	VF-K101-	3	DF-K81-
			2	DF-K83-	2	DF-KN83-
19	**Hole Stopper**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-
20	**Packing**		2	VF-K101-	2	DF-K81-
			2	DF-K83-	2	DF-KN83-
21	**Attachment**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-
22	**Elbow**		2	VF-K101-	2	DF-K81-
			2	DF-K83-	2	DF-KN83-
23	**Drain Elbow**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-
24	**Pipe Holder A**		3	VF-K101-	3	DF-K81-
			3	DF-K83-	3	DF-KN83-
25	**Pipe Holder B**		3	VF-K101-	3	DF-K81-
			3	DF-K83-	3	DF-KN83-
26	**Adhesive Bond**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-
27	**Hole Cover Seal**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-
28	**Anchor Stick**		2	VF-K101-	3	DF-K81-
			2	DF-K83-	2	DF-KN83-
29	**Hexagonal Bolt** M 8 x 25 mm + Spring Washer		16	VF-K101-	24	DF-K81-
			16	DF-K83-	16	DF-KN83-
30	**Pan-Head Self-Drill Screw** Ø 4 x 13 mm		40	VF-K101-	50	DF-K81-
			34	DF-K83-	34	DF-KN83-
31	**Pan-Head Self-Drill Screw** Ø 4 x 19 mm		5	VF-K101-	10	DF-K81-
			10	DF-K83-	10	DF-KN83-
33	**Pan-Head Machine Screw** M 5 x 12 mm		125	VF-K101-	125	DF-K81-
			125	DF-K83-	125	DF-KN83-
34	**Flat Head Self-Drill Screw** Ø 4 x 25 mm		65	VF-K101-	75	DF-K81-
			75	DF-K83-	75	DF-KN83-
35	**Sealing Material**		1	VF-K101-	1	DF-K81-
			1	DF-K83-	1	DF-KN83-

Tightening torque screws:

Picture						
Designation	**Hexagon head srew** M 8 x 25 mm + spring washer	**Self-drilling screw** Ø4 x 13 mm	**Self-drilling screw** Ø4 x 19 mm	**Phillips heasd screw** M 4 x 14 mm	**Sealing screw** Ø5 x 12 mm	**Self-drilling screw** Ø4 x 25 mm
Tightening torque	12,50 Nm	3,29 Nm	3,29 Nm	1,50 Nm	3,00 Nm	3,29 Nm

XIMAX®

DESIGNCARPORTS
by ximax

Step 3

Step 3

Step 6

Step 6

Step 7

Step 7

Step 8

Step 8

Step 9

Step 9

Step 10

Step 11

Step 12

Step 13

Finished Carport Linea Type 80

XIMAX®

DESIGNCARPORTS
by ximax

Accessories for your Carport

Side Panels

Support Rods

Bumper

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