

DANCOVER[®]

.com

Manual
for
Marquee 10x15 m
PRO+ EventZone

Table of contents

	Page
1. Introduction	004
1.1 General	005
1.2 Tools for assembly	006
2. Aligning the marquee and the base plate	007
2.1 Laying the base plates	007-008
3. Pre-assembly	009
3.1 Pre-assembly of posts, bars and braces	010-012
3.2 Assembling the braces	013-014
4. Assembling the marquee	015
4.1 Installation of the tie frame	015-018
4.3 Assembling the pediment support	017
5. Assembly of the covers	019
5.1 Roof covers	020-021
5.2 Side and pediment covers	022-023
5.3 Pediments	024
5.4 (If required) Assembling the foot tubes	024-025
6. Disassembly	026
7. Warning instructions	027
7.1 Marquee construction	027
7.2 Transport and storage	027
7.3 Routine visual inspections	027
8. Technical data	028
8.1 Marquee construction	028
8.2 Covers	029
8.3 Standards	029

1.Introduction

The following assembly manual describes the installation and assembly of your marquee by using systematic structure.

Please follow the instructions continuously and execute step by step.

Certain points have additional information if required.

!!!Attention!!!

Please follow accident prevention regulations

Ensure that there is no cable, pipes etc. below the marquee!!!

On the structure of this assembly manual:

Drawings and sketches are used to explain individual steps for the assembly and to identify individual components.

Drawings and sketches should be understood as principle representation and thus they do not necessarily correspond to the actual dimensions. Supplementary comments are also provided, where required, to provide a better understanding.

1.1 General

Please read this manual thoroughly before starting assembly. Perform the assembly stop only if all the points are clear, the components are identified and follow the sequence.

Please follow accident prevention regulations.
Improper handling, non-adherence of rules may result in mortal injury.
Follow the sequence of this assembly manual.
At least 4 persons are required for installing the marquee.

Safety instructions:

- Ensure that all the eaves are correctly mounted.
- Rope braces must be tightened loosely after assembly.
- Defective or damaged components must be replaced immediately with original spare parts.
- Removal of diagonal braces is forbidden.
- Secure all the bolts after assembly so that they do not slide out.
- Wear protective clothing (e.g. gloves) to prevent injuries.
- Use the supplied tools for assembly.

Please note:

The model approval (test log) contains requirements, specifications, conditions and operating instructions for "mobile constructions". It should be kept at the installation location for review by relevant authorities if required. Each new installation should be communicated to the relevant authorities.

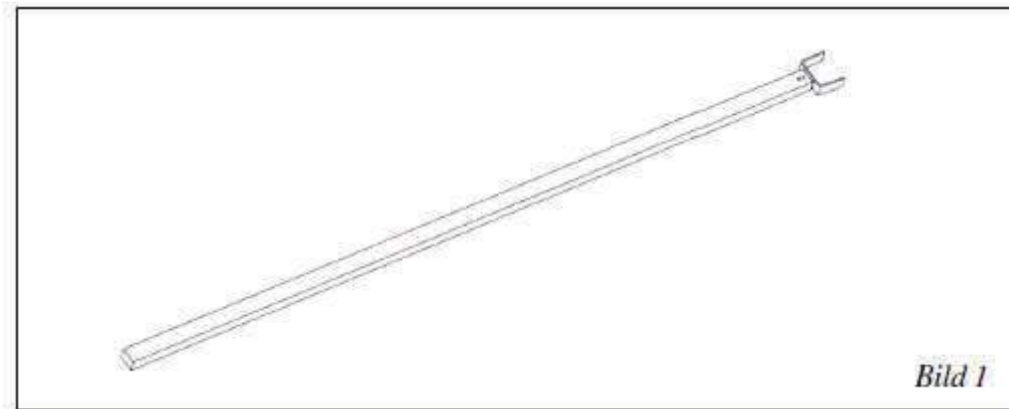
In addition, the "Guidelines for the construction and operation of mobile constructions", accident prevention regulations as well as relevant safety regulations and standards shall be applicable (trade association). These regulations must be strictly followed.

Assembly helpers should be instructed about possible hazard before they start the assembly. At least one expert (supervisor) should take responsibility for supervision during installation and removal. Expert here means that the person has knowledge of the work processes and the required safety measures.

1.2 Tools for assembly

Assembly and disassembly should always be done with appropriate Assembly tools.

An assembly rod, see image 1, is supplied with each marquee.



Additional Site tools and equipment:

3 x towing rope snap hooks (load capacity at least 250 kg)

2 x ratchet or wrench

2 x ladder

1 x sledgehammer / ground anchor impact tool

1 x tape measure

1 x pipe wrench

1 x machinist's hammer

1 x line with 2x marquee length

1 x forklift with telescopic jib (optional)

1 x for disassembling the marquee: anchor snag (optional)

2. Aligning the marquee and the base plate

It is recommended to align the basic dimensions of the marquee to local conditions such as road path, building front and similar.

Exact position should be followed when distributing and positioning the base plate. Wrongly or inaccurately positioned base plates will make further assembly difficult.

Required assembly tools and materials:

Montagewerkzeuge:	Bauteile:
Vorschlaghammer	
Maßband	Je Bodenplatte entsprechende Anzahl Erdanker
Richtschnur	Je Bodenplatte einen Fußbolzen
Messstange	Alle vorhandenen Bodenplatten

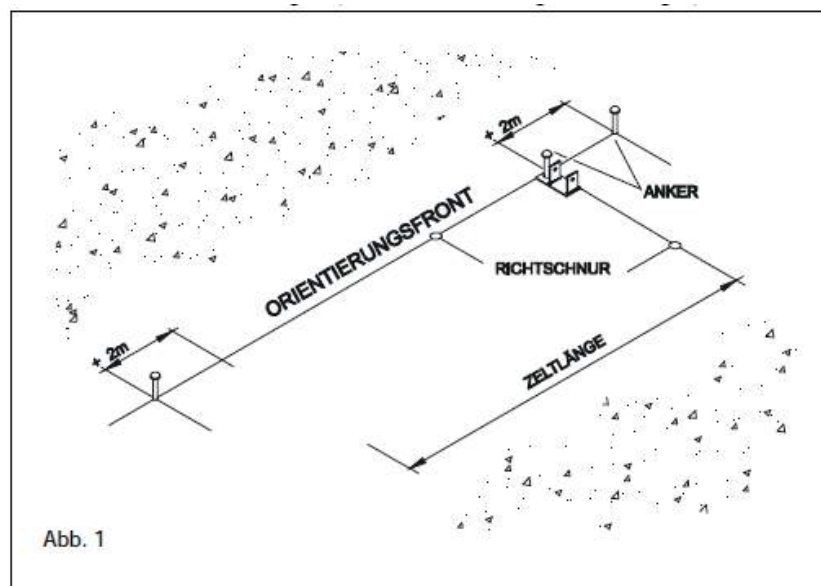
2.1 Aligning the base plates

Note: Keep the ground anchor protruding by approx. 5 cm so that later readjustment is possible.

2.1.1 Select orientation front.

2.1.2 Stretch line (marquee length + 2m on each side).

2.1.3 Align 1st base plate parallel to the line according to Fig. 1 and strike the ground nails.



2.1.4 Now stretch line for the marquee width and align at right angle (exact alignment follows).

2.1.5 Measure marquee width from the centre of the 1st base plate to the centre of the 2nd base plate, align base plate parallel to the line and fix with ground anchors (see Fig. 2, page 9).

2.1.6 At the line for the marquee length, lay out the 3rd base plate in parallel. Measure the exact truss distance (TD) from the centre of the 1st base plate to the centre of the 3rd base plate and fix 3rd base plate with ground anchors.

2.1.7 According to Fig. 2, measure TD between 1st base plate and 2nd base plate and mark point B. Measure at the line between 1st base plate and 3rd base plate and mark point A.

2.1.8 If there is a diagonal line between points A and B, then the right angle is guaranteed, if not the line between the 1st and 2nd base plate should be pushed such that the required dimension is achieved.

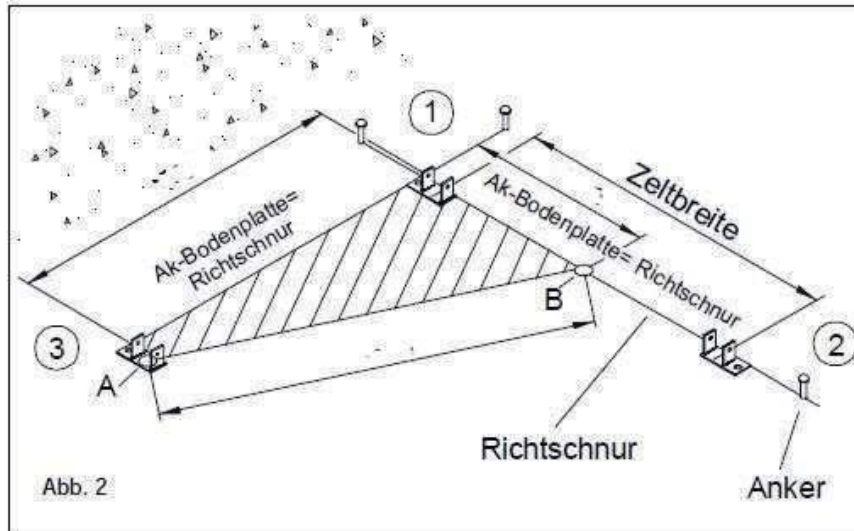
2.1.9 1. Readjust base plate if required and align again to the line. Check the marquee width between 1st base plate and 2nd base plate once again and fix 3rd base plate 3 with ground anchors.

2.1.10 Similarly align 4th. base plate to the line for the marquee length. Measure exact TD between the centre of 3rd base plate to the centre of the 4th base plate and fix 4th base plate ground anchors.

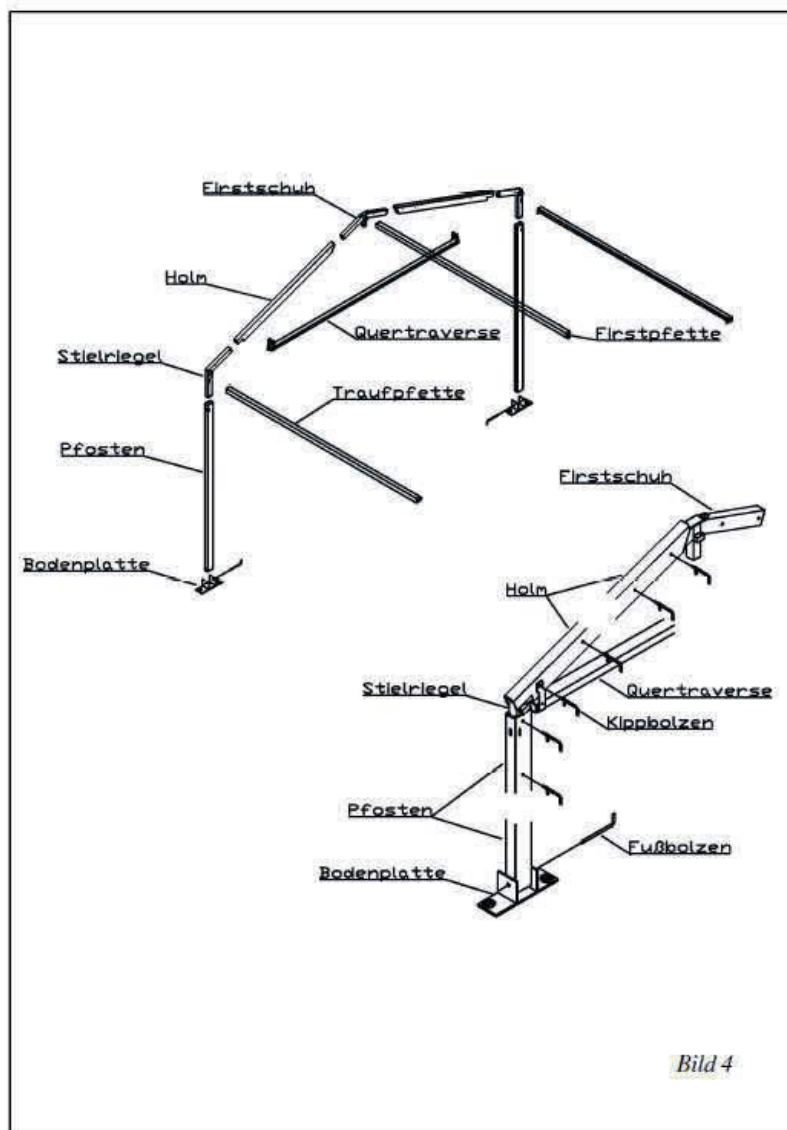
2.1.11 Repeat above steps until all the base plates of a marquee side are fixed.

2.1.12 Starting from the 2nd base plate, align the base plate for the opposite marquee side and fix with ground anchors.

2.1.13 It is recommended to carry out a final inspection of the marquee dimension between the centres of four external base plates.



3. Preassembly



3.1 Pre-assembly of posts, bars and braces

Assembly of posts and bars

Combine and match all components according to Fig. 4 (page 9) and 5 (page 11).

Lay out the components according to the images and following description.

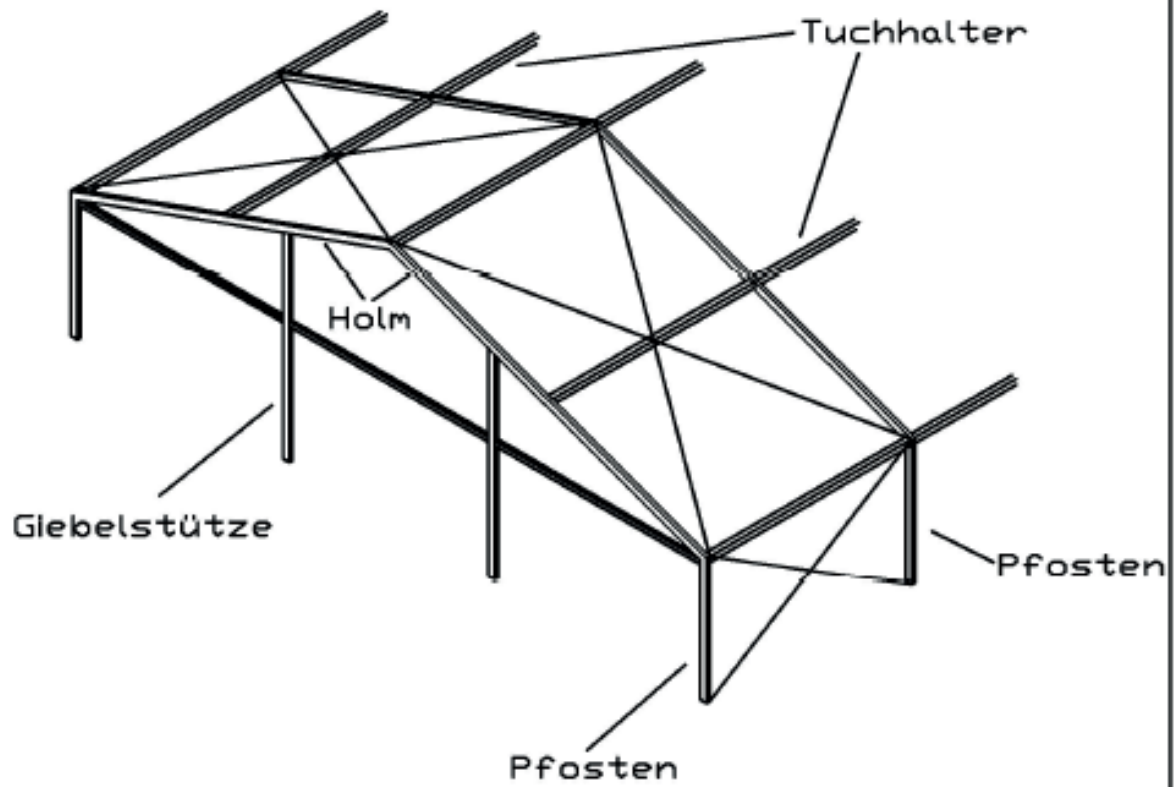
3.1.1 Push the left and right bar into the ridge shoe and connect with pivot pins / screws.

3.1.2 Insert the posts with the corresponding rail connectors into the bars and bolt with pivot pins.

3.1.3 Insert the trusses (completely mounted posts and bars) into the base plate, bolt with foot bolts and secure with clip connectors. (Important: It should be ensured that the holes in the foot bolts for the clip connector are on the outer side of the marquee due to later assembly of the foot tube.

3.1.4 Place and lay out pediment support / crossbeams at the respective end trusses.

3.1.5 Sort and lay out flex holders (intermediate rails), ridge and eave rails.



Beispiel eines 10m Zelttes mit
2 zusätzlichen Giebelstielen und
einen Tuchhalter je Feld

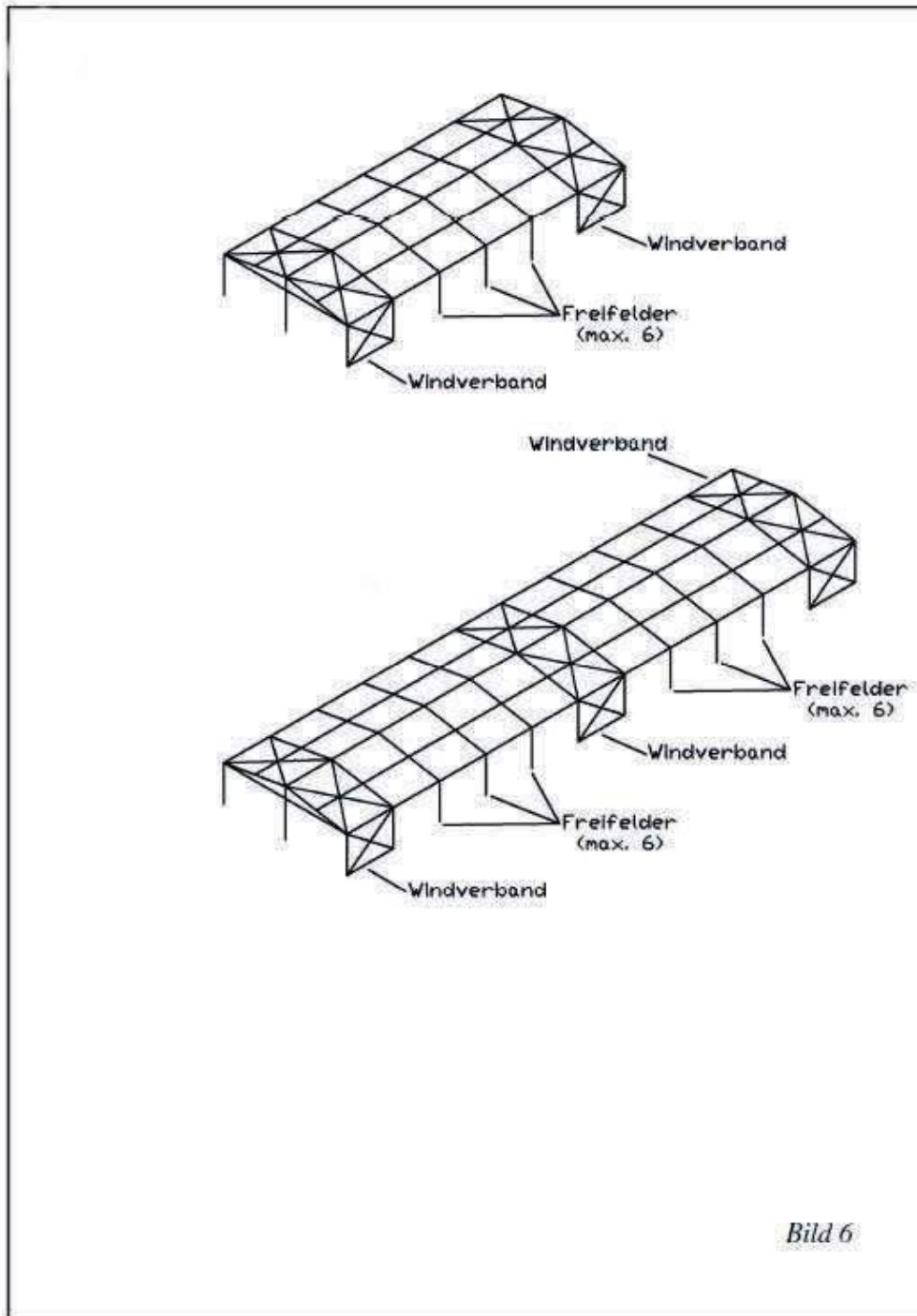
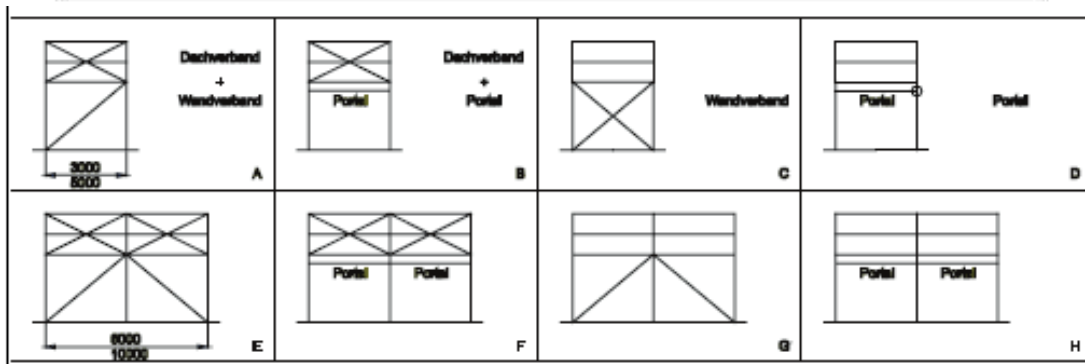


Bild 6



3.2 Assembling the braces

Braces should always be mounted (see image 6) and should be removed only during the disassembly of the marquee.

The braces consist of diagonally arranged ropes in the roof and walls, alternatively cross braces or diagonal struts can also be used based on statics.

The braces should be mounted in the first and last brace field of the marquee.

There can be **maximum 6** braceless fields between the braces. **The wall braces are decisive in this regard.** If the numbers of braceless fields are exceeded, additional braces should be installed and this number should not be exceeded. Arrangements of brace fields see Fig. 6

Fundamental information on assembly

The ropes of the braces should be mounted such that the turnbuckles are always placed at the lower end of the rope. For pre-assembly, the roof braces are only fixed to a strut.

3.3.1 Keep the ropes of the braces ready for the corresponding fields according to image 7.

3.3.2 Screw turnbuckles of the ropes (do not unscrew) and put up shackle.

3.3.3 Mount the ring screws of the roof braces to the ridge shoes and tighten.

3.3.4 Plug ring screws at the end strut from above and counter nut, plug ring screw at the inner strut from below and counter nut from above and put up shackle.

3.3.5 Mount the wall braces with corresponding screws to the first brace and screw in the specified holes.

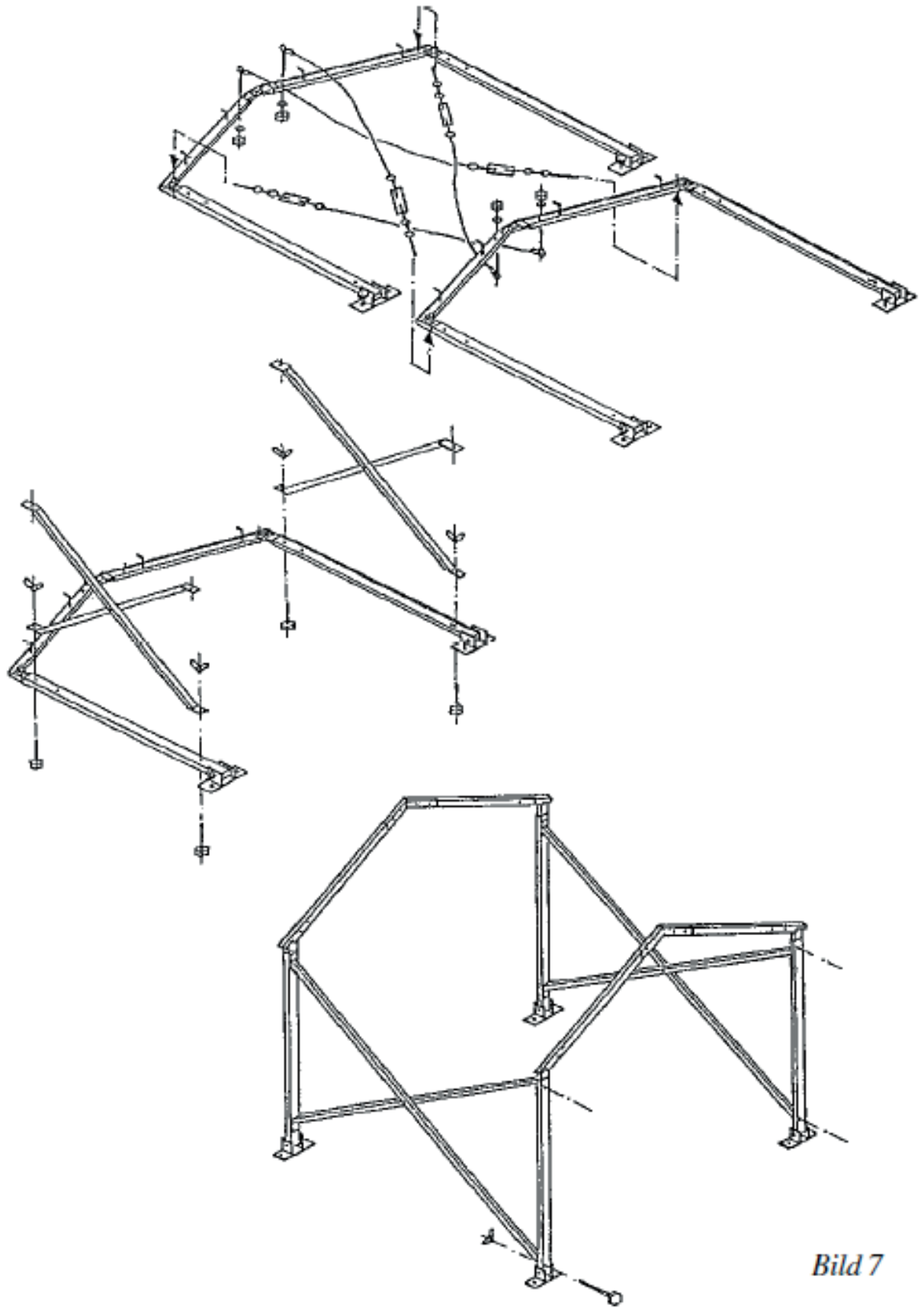


Bild 7

4. Assembling the marquee

4.1 Installation of the truss frame

4.1.1 Align the first pre-assembled trusses with the wall braces, position one person each at the posts for securing the truss.

4.1.2 Likewise, place the second pre-assembled truss vertically (Image 7).

4.1.3 Fix the wall braces already mounted at the first truss with screws and nuts to the second brace.

4.1.4 Mount the eave rails with the curved hook to the first truss into the truss. (Image 8, page 16)

4.1.5 Mount the side with straight hook to the second truss with the help of assembly rod. (Image 8, page 16)

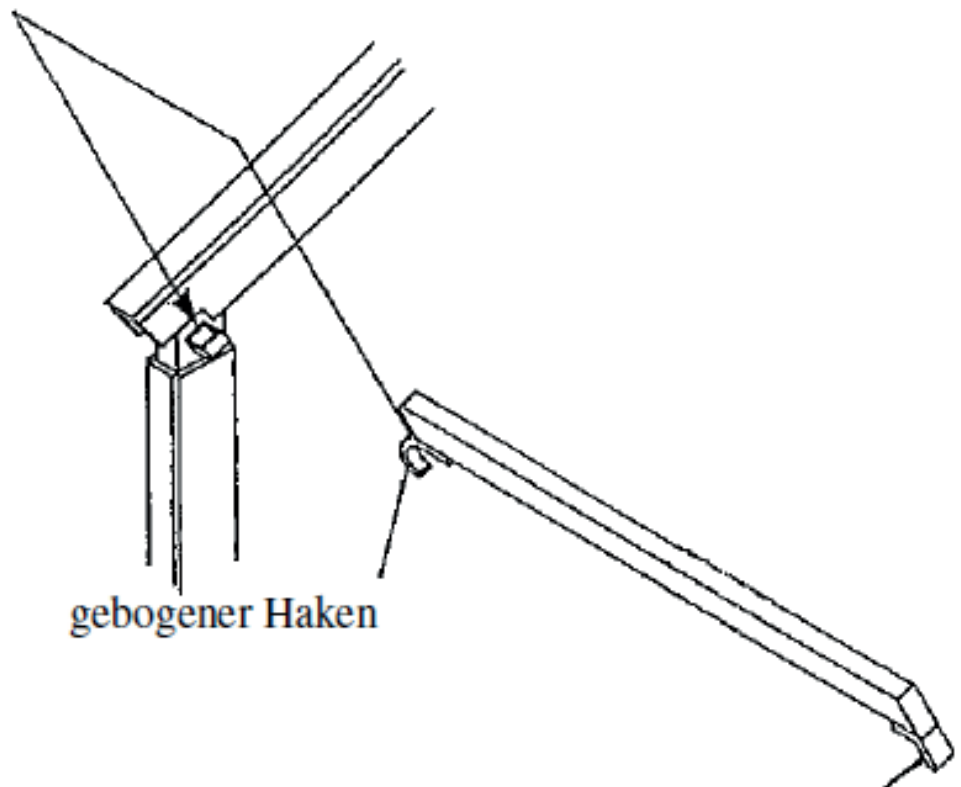
4.1.6 Mount the ridge rail to the first truss with curved hook.

4.1.7 Mount the ridge rail to the second truss with straight hook.
Mount assembly fork

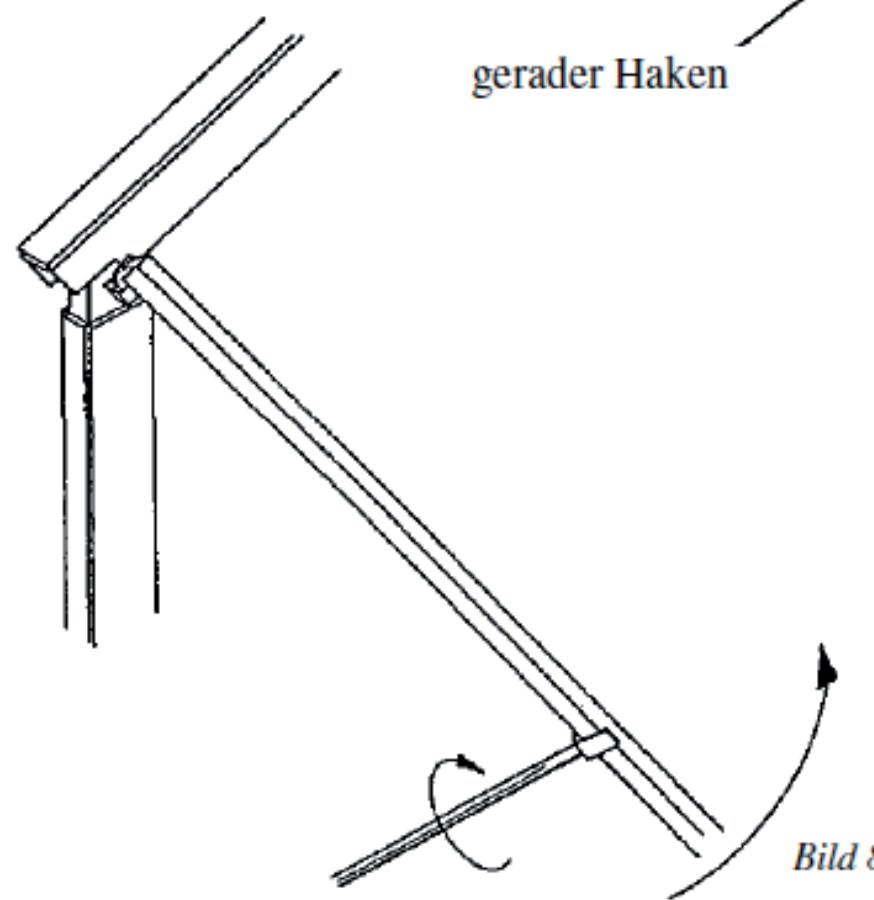
4.1.8 If the marquee design is available (depending on the marquee width) mount the flex holder (intermediate rails) just like ridge and eave rails.

4.1.9 Mount roof wind braces to the second truss and clamp loosely with turnbuckle. (Image 9, page 18)

4.1.10 Install the remaining frame trusses as described in 4.1.2, 4.1.4 to 4.1.7. For the braces on other pediment side, the intermediate braces should be installed as described in point 4.1.3 and 4.1.8.



gebogener Haken



gerader Haken

Bild 8

4.3 Assembling the pediment supports

Note:

Depending on the marquee width, multiple pediment supports may be required and should be installed according to the drawings.

4.3.1 Place the pediment support vertically below the ridge shoe /bar of the corresponding end bar and insert into the intake at the ridge shoes and screw. (Image 5, page 11)

4.3.2 Insert pediment support into the base plate and adjust with telescope if required (loose the screw for this) and ensure that the pediment support is even in the base plate.

4.3.3 Fix base plate with ground anchors.

2. Seil einhängen und wieder zurückziehen

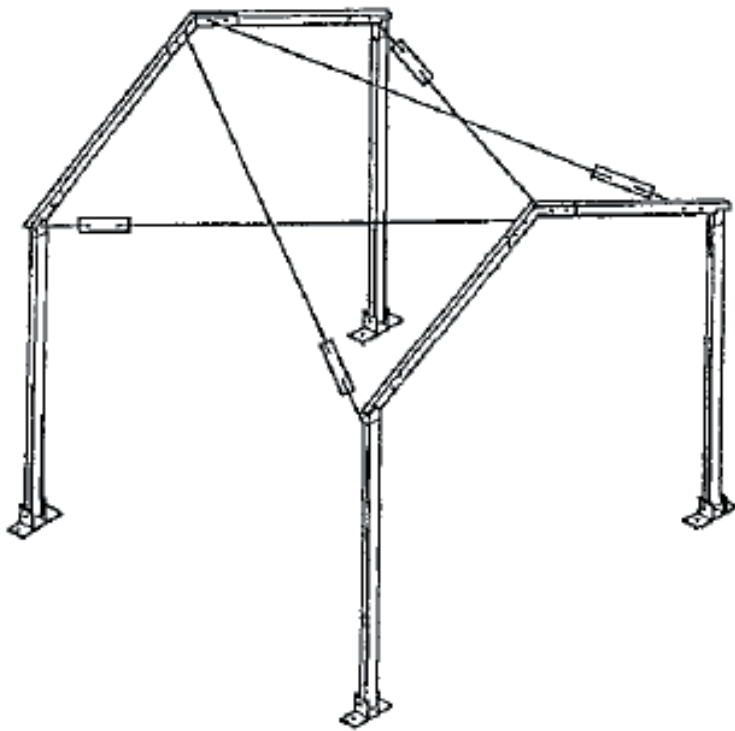
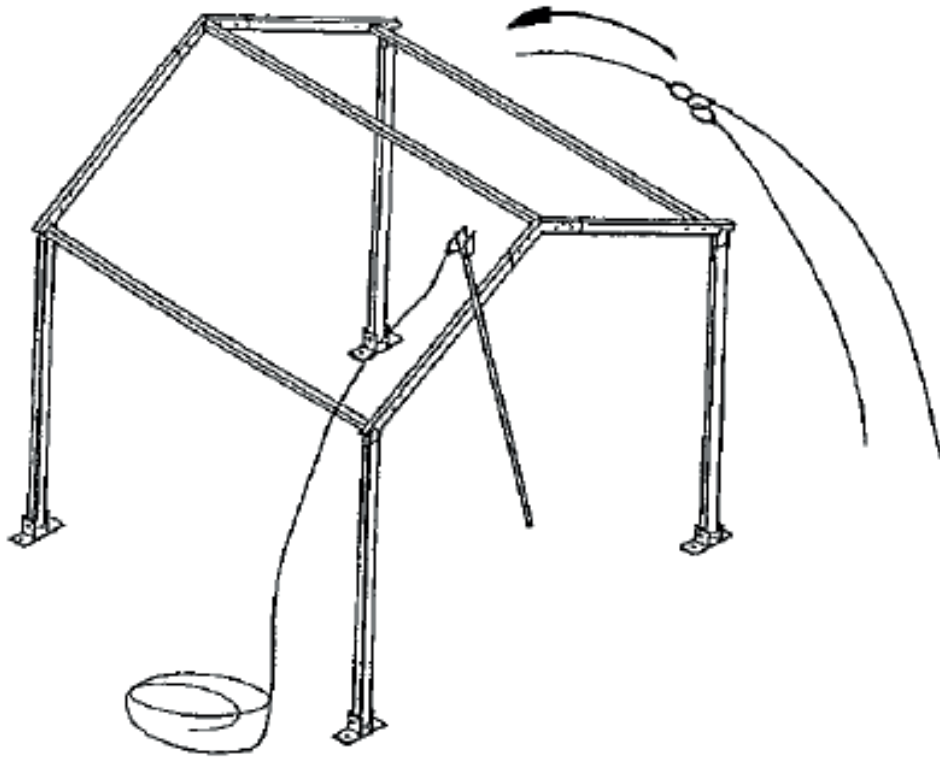


Bild 9

5.Assembling the covers

Before assembling the cover, all the ground anchors must be placed deep and all braces must be installed and clamped loosely.

Important: Do not pull the covers with raw force, because noticeable resistance could also indicate inaccurate alignment in the assembly. If required, pull back again and try or check the accuracy of the assembly.

5.1 Roof covers

5.1.1 Throw one pulling ropes each from left to right over the ridge of the first brace field (image 9 above, page 18), assembly fork will be useful here.

5.1.2 Pull both the other pulling ropes over the ridge by using this rope.

5.1.3 Mount roof covers (image 10, page 20), ensure correct position and readjust if needed.

5.1.4 Suspend both the pulling ropes into the two outer eyelets of the roof cover using snap hooks opening facing upwards. Pull back the 3rd Mount pulling rope into the drawbar eyelet as pulling rope (image 10).

5.1.5 Lift the roof cover to piping channel height by pulling the pulling ropes from the opposite side of the marquee and insert the left and right piping of the covers into the piping channel of the bar.
(Image 10, page 20)

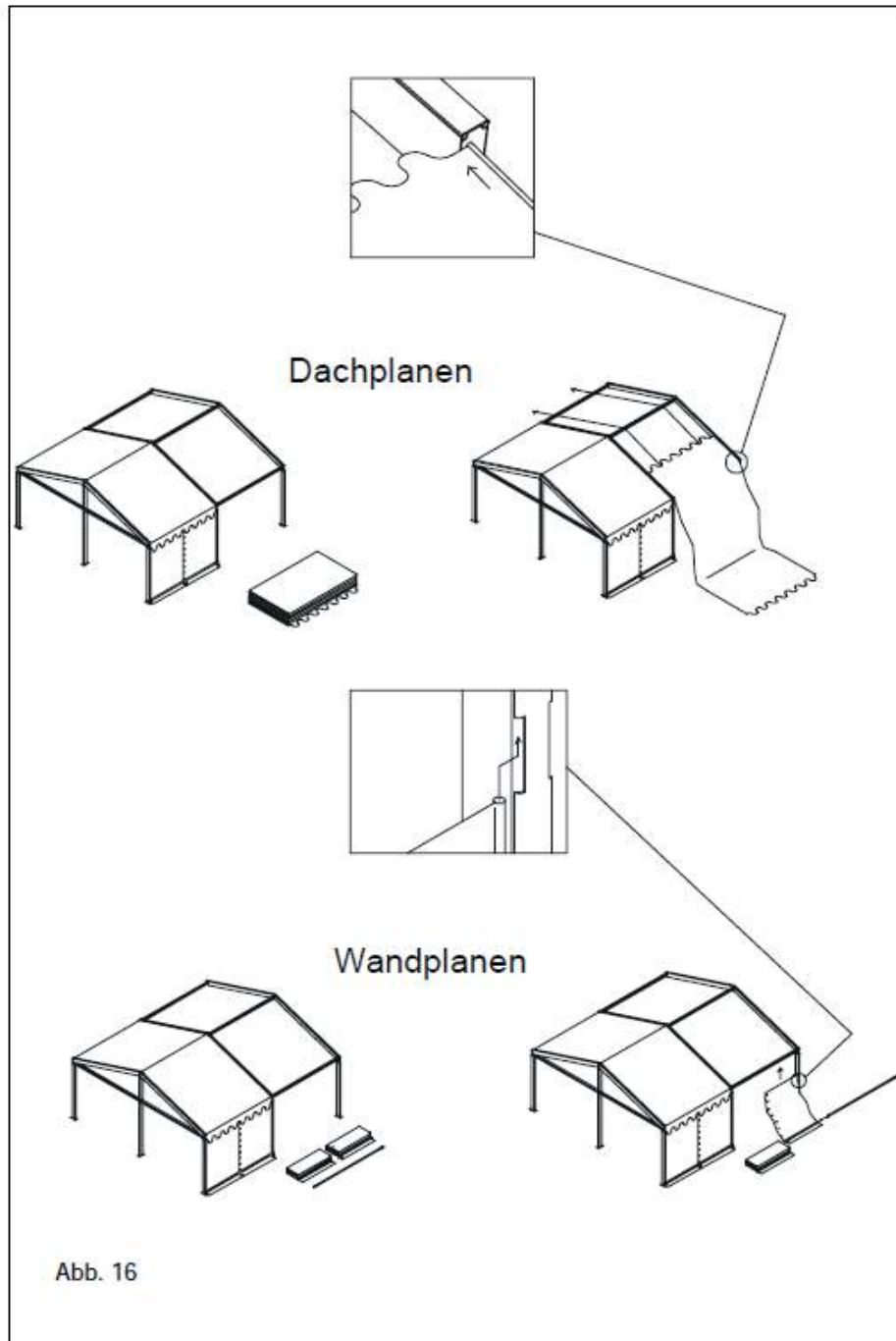
5.1.6 Place the roof cover into the roof bar at both the pulling ropes with uniform pulling.

Important Pull the cover over the ridge in single pull.

5.1.7 Once the cover is pulled over bar completely, the two pulling ropes will loosened and mounted in the 3rd rope, which was pulled with the cover over the ridge. Pull back the 3rd rope so that both the other pulling ropes are in initial position.

5.1.8 Repeat points 5.1.1 to 5.1.7 for other roof covers.

5.1.9 Once all the roof covers are fixed in the bars, these will be tensioned with corresponding tensionless (belt, pressure, fix, expander etc.).



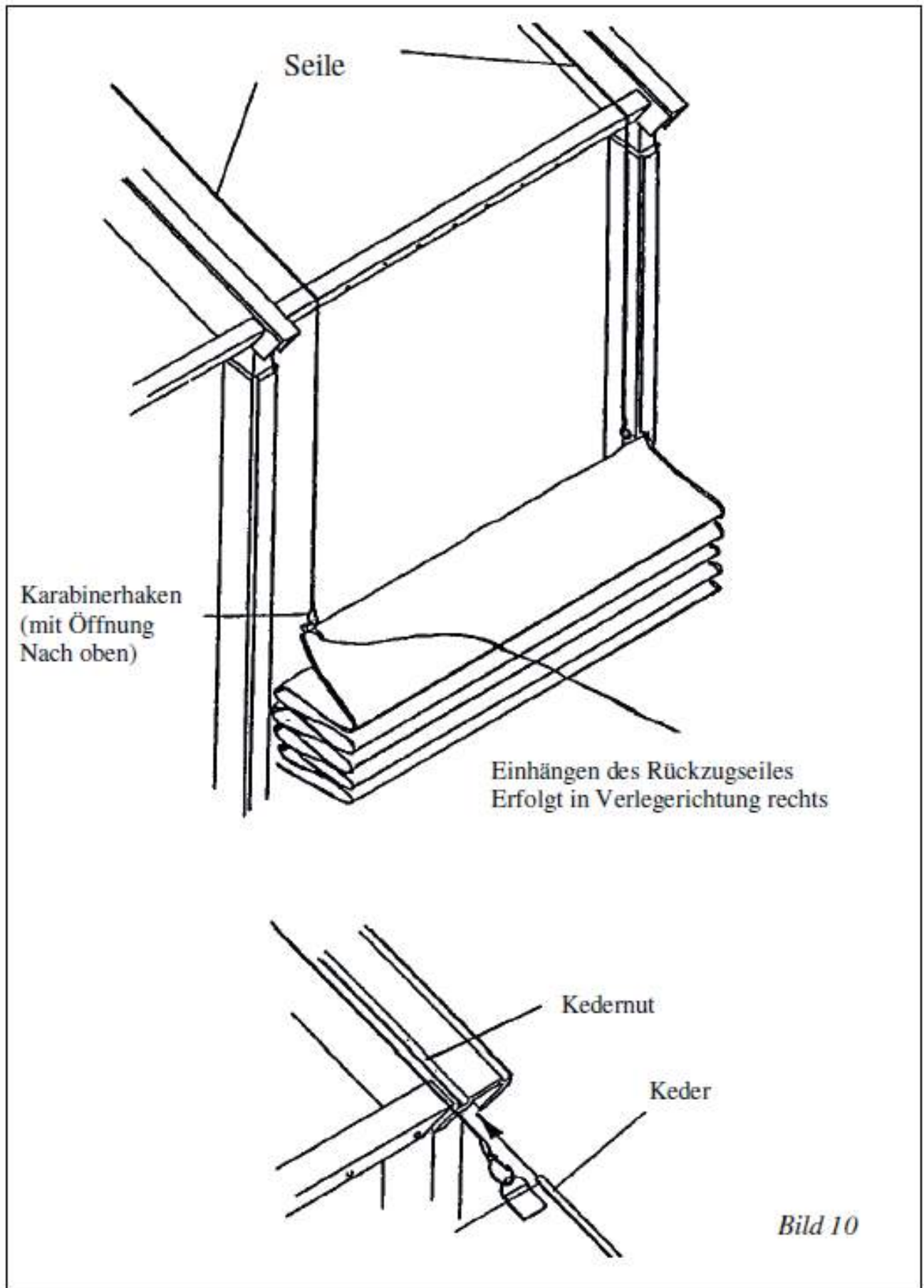


Bild 10

5.2 Side and pediment covers

The side and pediment covers are placed at the longitudinal side of the marquee and pediment sides and always consist of loop and eyelet side (image 12, page 22).

The covers are fixed into the piping channels of the posts and the crossbeams / curtain pipes.

5.2.1 Match the posts and lay out accordingly. The cover edge with the rings will always face upward.

5.2.2 Insert the side piping of the cover in the area of slot into the piping channel of the marquee post from above and push all the way down.

5.2.3 Insert the lower half of the covers similarly and push all the way down.

5.2.4 Assemble the 2nd cover (eyelet and loop side) in the same way (point 5.2.2 and 5.2.3).

5.2.5 For **curtain rods** push through the rings of the side covers and mount in the area of posts into the slot intake at the shaft bar. In case of marquee versions with pediment support, the curtain rods of the pediment side should be mounted into the corresponding intakes at the pediment support (image 11, page 22).

5.2.6 Tie both the side and pediment covers from top to bottom. Insert the 1st loop through the 1st eyelet, then the 2nd loop into the 2nd eyelet, then through the previous 1st loop. All the loops and eyelets are tied up with this method. The last loop should be tied up for safety.

5.2.7 The points 5.2.2 to 5.2.6 will be repeated for all the side and pediment covers as per the description.

Seile einhängen

Einziehen der Seitenplanen

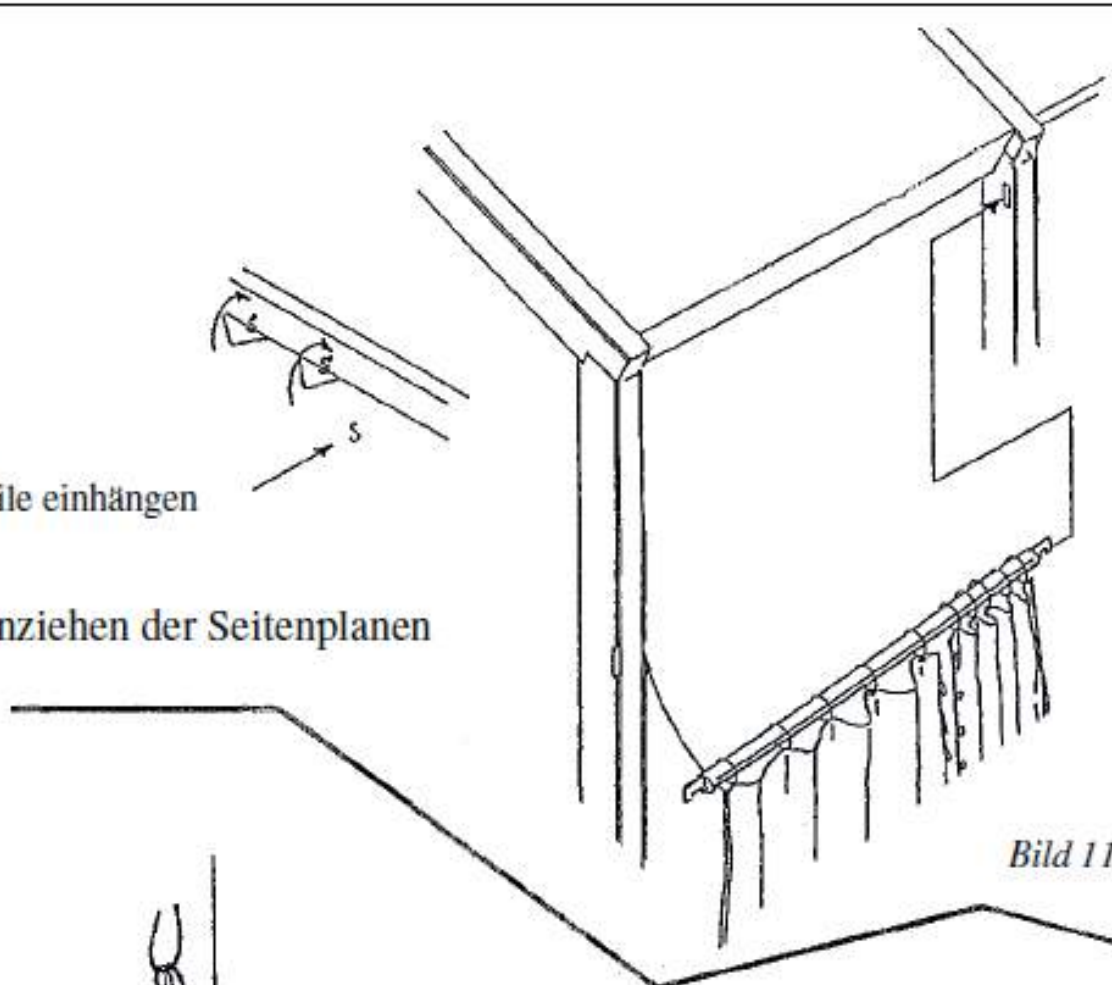


Bild 11

Nach dem Einhängen des Vorhanges – Riemen an der Vorhangstange schließen

Einziehen der Giebelplanen

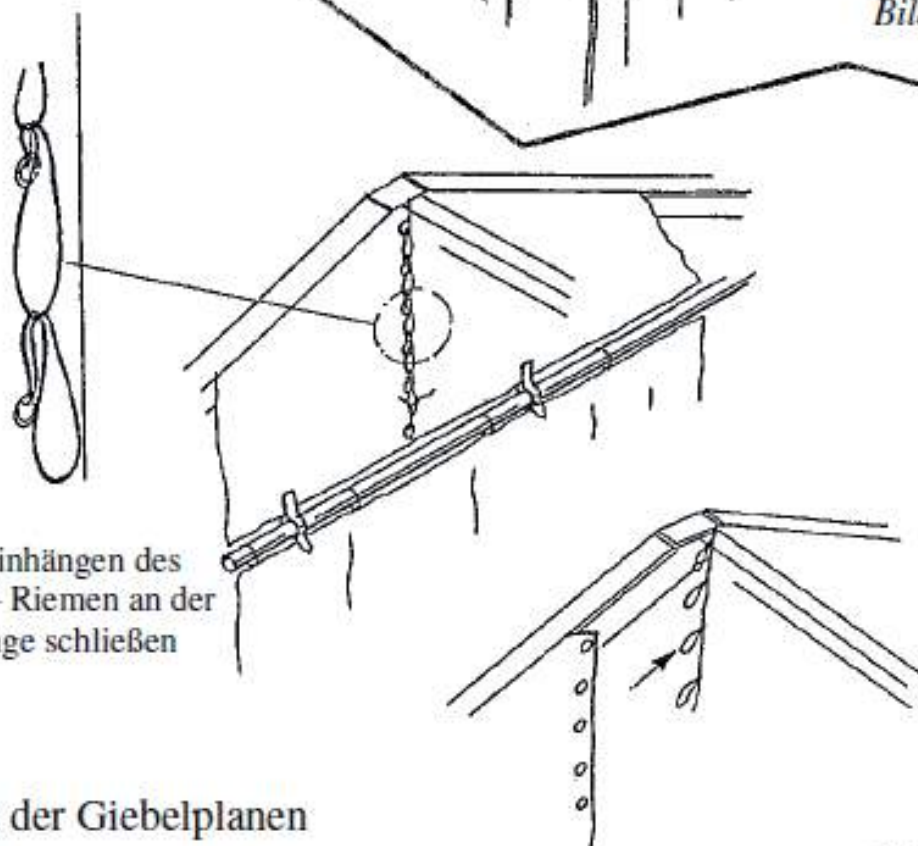


Bild 12

5.3 Pediments

The plans for the marquee pediment consist of 2 pediment covers, an eyelet and a loop side. The inner side of the marquee is marked with visible suture of the loops and the overlaps of the side, which forms the right angle, is covered and welded inward.

5.3.1 Insert the pediments with the piping into the upper piping channel of the pediment bar and pull to the centre of the pediment with assembly fork (image 12, page 22)

5.3.2 Tie both the pediment covers from top to bottom to the inner side of the marquee as described in point 5.2.6 and knot last loop (image 12, page 22).

5.3.3 Place the buckle straps or loop fastener in the lower edge around the crossbeam / curtain pipe and close.

5.3.4 Repeat points 5.3.1 to 5.3.2 on the opposite pediment side.

5.4 (If required) Assembling the foot tubes

The foot tubes for the side and pediment covers are available as accessory for each marquee and installation is recommended.

5.4.1 The foot tubes are inserted through the foot tube of the side curtains (Image 13, page 24).

5.4.2 Push the foot tube on the pin of the marquee post and secure with splint pin.

5.4.3 Insert the foot tube on the pediment side into the foot tube pocket of the pediment curtains.

5.4.4 Likewise, place the foot tube into the intake bolts of the foot plate at the corner and secure with splint pin.

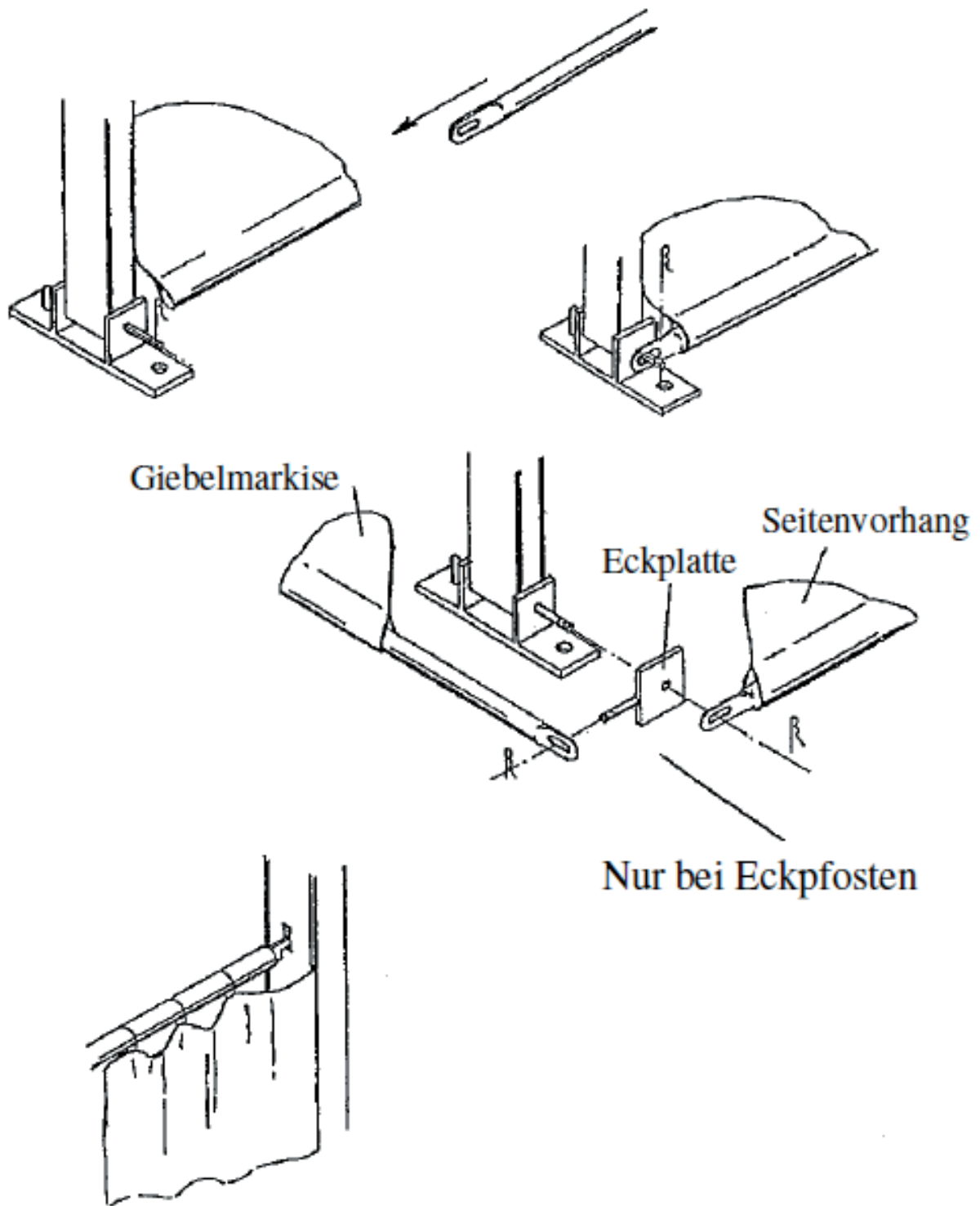


Bild 13

6.Disassembly

The disassembly of the marquee is simply done in the reverse sequence of the installation, however the following points should be noted.

Note:

Covers and walls should be dry before assembly to extend the service life and to guarantee cleanliness. Therefore, even the disassembled parts should be sorted and loaded immediately after the disassembly.

- 6.1** Disassemble foot tubes (if available).
- 6.2** Place side and pediment awning on a clean surface and fold.
- 6.3** Remove pediment cover as described in 6.2.
- 6.4** Disassemble roof cover clamp at the eave rail.
- 6.5** Loosen roof rope at the eave.
- 6.6** Remove roof cover as described in 6.2.
- 6.7** Remove wall braces in a field.
- 6.8** Mount rails in this field and place it.
- 6.9** Shift the first truss of this field.
- 6.10** Break truss into its parts.
- 6.11** Disassemble all the remaining trusses similarly.
- 6.12** Pull anchor and remove foot plates.

7. Maintenance instructions

7.1 Marquee construction

7.1.1 If required, retensioning of the braces and screw connections and roof bracing should be done as follows:

- After 3 months service period
- After hot periods and frost
(**Important:** *Follow operating manual* for the installation during winter months!)
- After a storm

7.1.2 Firmly and completely placed anchor is absolutely necessary.

7.1.3 A visual inspection for deformities, distortion or damages.

7.1.4 If required, damaged parts should be replaced immediately with original parts.

7.2 Transport and storage

In order to prevent deformities and damages to the aluminium profile, all the components should be stored properly on even surfaces and transported properly. It should be ensured that the profiles are stored on the narrow profile side.

7.3 Routine visual inspections

Carry out visual inspections at predefined intervals (e.g. after an event).

Intermediate rails (flex holder), eave rails and ridge rails must be mounted properly.

Check the screw and bolt connections.

Cleaning the dirty marquee cover will increase the service life.

8. Technical Data

8.1 Marquee construction

All the dimensions specified are centre-to-centre distances.

Partytent

Minimum marquee length	3 fields
Maximum marquee length	any, max. 6 braceless fields
Marquee width	3.00 / 4.00 / 6.00 / 8.00 / 9.00 / 10.00 m
Ridge height	max. 4.17 m
Side height	2.30 m
Roof incline	20°
Truss distance	3.00 m
Profile	
Posts	81 x 48 mm / 94 x 48 mm
Bar	81 x 48 mm / 94 x 48 mm
Ridge rail	40 x 35 mm
Intermediate rail (flex holder)	40 x 35 mm
eave purlin	60 x 55 mm
Material main construction	Anodised aluminium
Material connection parts	Galvanised steel
Connection type (post/bar)	Shaft bar
Required base compression	Base in accordance with DIN EN 13782
Load assumption (see statistics)	in accordance with DIN EN 13782
Anchoring	Ground anchor Ø 25 mm x 800 mm

8.2 Marquee covers

Marquee covers are made of material with low flammability in accordance with DIN 4102 B1

8.3 DIN ISO standards

Marquees are based on the following regulations:

EN 1090 - 1; DIN EN 13782; DIN EN 1990; DIN EN 1991;
DIN EN 1993; DIN EN 1999; EN15048 – 1



NB 2276

Contact information

Head office:

Dancover A/S
Nordre Strandvej 119 G
3150 Hellebæk
Denmark

For more information
please visit:
www.dancovershop.com

National contact

Denmark: 70 26 76 20
denmark@dancover.com

UK: 020 8099 7570
uk@dancover.com

Germany: 041 0266 7040
germany@dancover.com

France: 0975 181 800
france@dancover.com

Sweden: 040 233 262
sverige@dancover.com

Finland: 0 931 581 720
suomi@dancover.com

Poland: 22 300 8602
polska@dancover.com

Luxembourg: +49 041 0266 7040
luxembourg@dancover.com

Portugal: 308 800 899
portugal@dancover.com

Spain: 911 436 828
espana@dancover.com

Italy: 02 479 21 198
italia@dancover.com

Switzerland: 0840 000125
schweiz@dancover.com

Austria: 0662 626935
austria@dancover.com

Norway: 231 00 690
norge@dancover.com

Nederland: 0 858 880 524
nederland@dancover.com

Ireland: 0 151 33 003
ireland@dancover.com

Belgium: 0 28 08 08 09
belgique@dancover.com