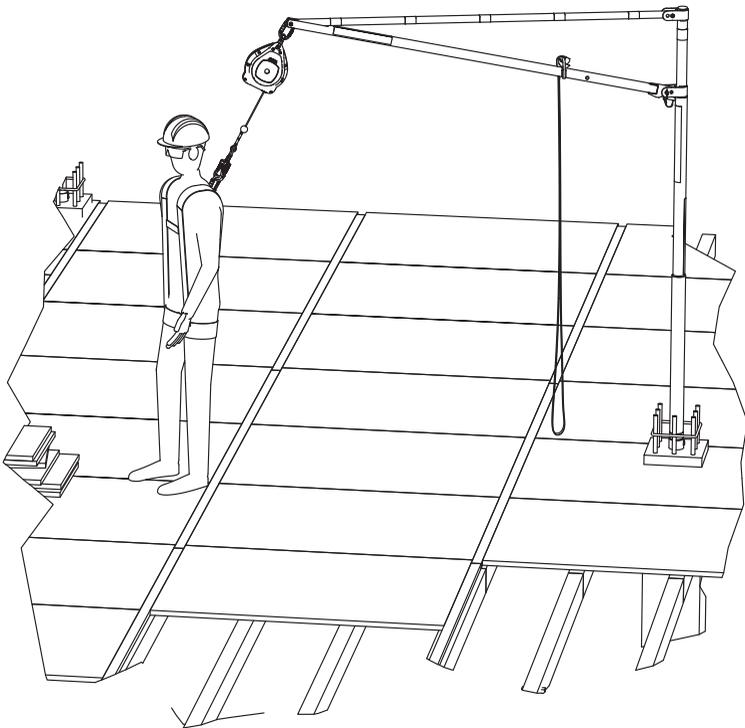


COMBISAFE®

SAFETY BY SYSTEMS

SkyReach Anchor



USER INSTRUCTIONS

CE 0158 - EN 795:2012-B

CONTENTS

General	3
Quick Guide	4
Safety instructions	5
Technical data	9
SkyReach Anchor	9
Personal Fall Protection Equipment.....	12
Attachments	14
Optional items	17
Attachment installation	19
Cast-In Sleeve installation	19
Steel Flange Clamp installation	23
Assembly	26
Installation by hand	26
Installation by crane	29
Dismantling	33
Working procedure	34
Changing the anchor point.....	39
Maintenance	40
Safety check before initial use	40
Cleaning	42
Storage	42
Recycling	42

General

The SkyReach Anchor is a product that has been designed to prevent falls from heights, mainly during all work associated with decking for horizontal formwork operations. Together with specific attachments and certified Personal Fall Protection Equipment (PFPE) it will create a personal fall protection system which contributes to a safe workplace.

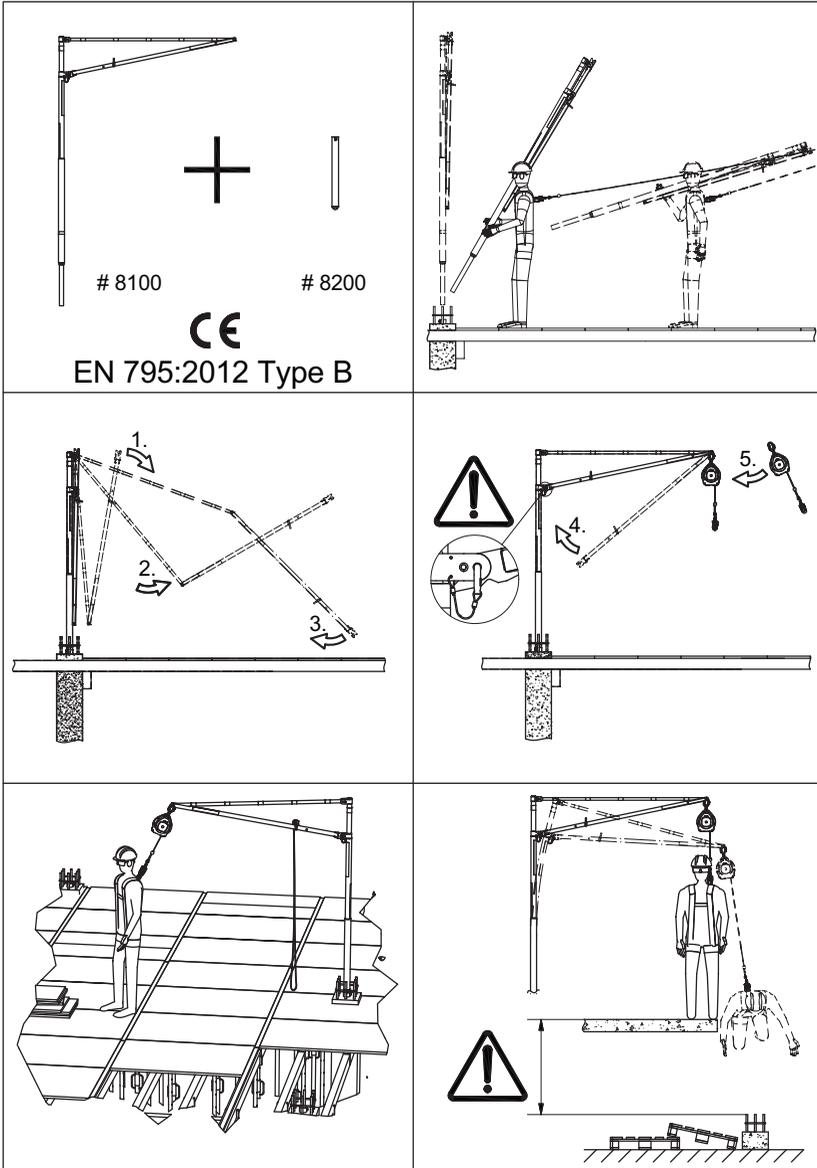
The SkyReach Anchor is also compatible to use with the COMBISAFE Loading System MkII, which allows you to load and unload flatbed vehicles in a safe manner.

The SkyReach Anchor is 3,1 metres high and the anchor boom is 2 metres long which allows the system to cover a working radius of up to 8.5 metres and gives access to a surface area of close to 230 m² when used in conjunction with a Falcon 6.2 m retractable fall arrest block. Due to the lightweight design of the SkyReach Anchor, it can be manoeuvred and installed by a single person, and it can also be moved by crane if that is preferred.

The SkyReach Anchor is tested to comply with EN 795:2012 Type B standard, and is CE-certified by DEKRA EXAM GmbH, Dinnendahlstraße 9, 44809 Bochum, Germany, with identification nr 0158.

Read carefully through this user instruction before using the product. In case of questions and uncertainties, please contact Combisafe for support.

Quick Guide



Safety instructions

The SkyReach Anchor is only intended for the purpose stated in this user instruction, any other use is not recommended. The SkyReach Anchor is a personal fall protection anchor device, used to protect workers operating at height and if used incorrectly, there is a potential risk of accidents to both the user and other people in the vicinity. Please read this manual carefully before any usage.

- Under no circumstances shall the product be used as a makeshift crane or lifting/lowering device.
- Under no circumstances shall any item other than those provided with the system be used either in replacement or through preference as this may affect the performance of the product.
- Care should be taken in the transportation of the product between uses and locations. If any damage occurs or is detected in any part, the item should be withdrawn from use, inspected by a trained person and replaced if required.
- Care should be taken in the installation of the product and if any damage occurs or is detected in any part, the item should be withdrawn from use, inspected by a trained person and replaced if required.
- The site location where the SkyReach Anchor is being used should have a rescue plan in place, in the event of a fall arrest incident.
- The device is only intended for use by one person at a time, under no circumstances shall multiple persons be attached to the device.
- If a crane is used as lifting device, be aware of the movements made by the crane and keep workers at a safe distance.
- The usage of the SkyReach Anchor is intended to be used within a zero factor fall arrest system. Make sure that the anchorage is always overhead and the self- retracting lifeline is taut between the anchorage point and the worker.
- The maximum vertical deflection of the anchor point that can occur during service is 0,7 m.
- In case that SkyReach Anchor is re-sold outside the original country of destination, it is essential that the reseller provides user instructions in the language of the country in which the system is to be used.
- When referring to included components not produced by Combisafe, please refer to the specific user guide / manual for that specific item.
- When using a retractable fall arrest block, the certification of this product is only valid when the prescribed block is used, hence it is tested and approved in combination with the SkyReach Anchor.

- PFPE that is used together with the SkyReach Anchor must be CE-certified and approved in the specific country of use.
- It is not recommended to use the products stated in this user instruction if pregnant, suffering from cardiovascular disease, affected by alcohol or drugs or other health issues that might affect your mental or physical capacity.

Always check products and equipment before use

Check all component parts of the SkyReach Anchor before assembly. Never use damaged or rusty materials, as this can affect safety. Refer to the check list in the *Maintenance* chapter which must be followed prior to use.

Never combine products

It is not recommended to install, combine or interconnect products other than those supplied by Combisafe. Combisafe product liability is limited to correctly installed Combisafe products only.

Always use Personal Fall Protection Equipment

Personal Fall Protection Equipment (PFPE) must always be worn during assembly and dismantling when a risk of falling exists, see Figure 1. This also applies to work carried out from MEWPs (Mobile Elevating Working Platforms).

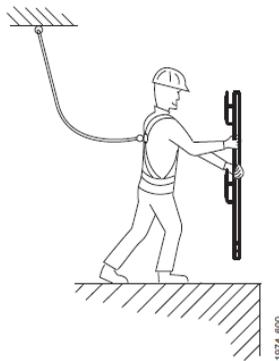


Figure 1. *Personal Fall Protection Equipment.*

Fall clearance

Note that it is essential that enough free distance is verified to closest underlying object, see Figure 2 below.

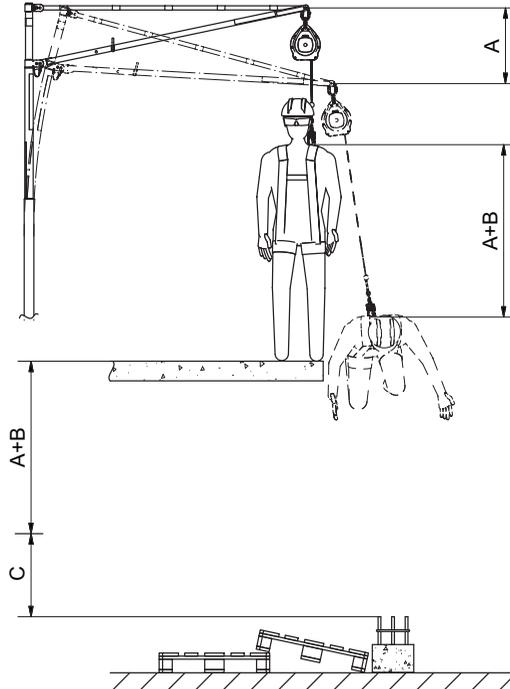


Figure 2. Explanation of fall clearance.

A: 0,7 [m] Vertical deflection of the SkyReach Anchor Point

B: X Braking distance of the PFPE. Please refer to the manufacturer's user manuals for specific value.

C: 1 [m] Safety distance.

Total required fall clearance = $A+B+C$

Periodic inspection/inspection after a fall

To ensure the function and safety of the components, a safety inspection of the SkyReach Anchor, the attachments and the PFPE, needs to be performed by a competent person at least once every 12 months. The inspections must be documented into a component record.

If an accident has occurred, e.g. a person falling, the items should immediately be withdrawn from use and inspected by a competent person according to the manufacturer's safety check.

Please contact Combisafe for more information regarding inspections and associated documentation.

NOTE

The SkyReach Anchor is designed to deform if a fall occurs, to absorb the energy and reduce the arising forces. When tested, the maximum vertical deflection of the anchor point is 0,7 m.

Rescue

If there is a need to rescue a person that has fallen, the SkyReach Anchor can provide help by using a SafEscape Elite (Part No. CM1028770) and Webbing Anchorage Slings (Part No. CM1002918). By looping the sling round the lower section of the mast of the SkyReach Anchor, a rescue operation can be performed. It is not allowed to connect the SafEscape to the anchor point of the SkyReach Anchor. Remember that a rescue operation can only be performed by a person that has been trained to use the SafEscape. Thus, no rescue method can be described in this User Instruction. The operation needs to be planned by the Safety Manager at the site and evaluated to the actual case with a separate risk analysis.

Remember

- Plan the fall prevention at an early stage, this will benefit everyone.
- Use only safety-checked products.
- Restrict access below and around the installation and working area to prevent injury to others from any fall hazard.
- Use tools designed for the type of work to be carried out.
- Keep the installation area in order.
- A safe workplace is a good workplace.
- Many fall accidents occur from a low height.

Technical data

SkyReach Anchor

The SkyReach Anchor is designed to be a lightweight product that can be folded for easy relocation, transport and space-saving storage, see Figure 3. To secure both the assembled mode and the folded transportation mode, the attached Lock Pin is used. Due to the lightweight design on the SkyReach Anchor it can be installed by a single person.

Incorporated to the SkyReach Anchor is the 2 m Endless Webbing Sling which allows the product to be lifted by crane if needed.

Material:.....	Hot-dip galvanised/painted steel
Weight:.....	25 kg
Height:.....	3,1 m
Assembled width:.....	2,0 m
Packed width:.....	0,2 m

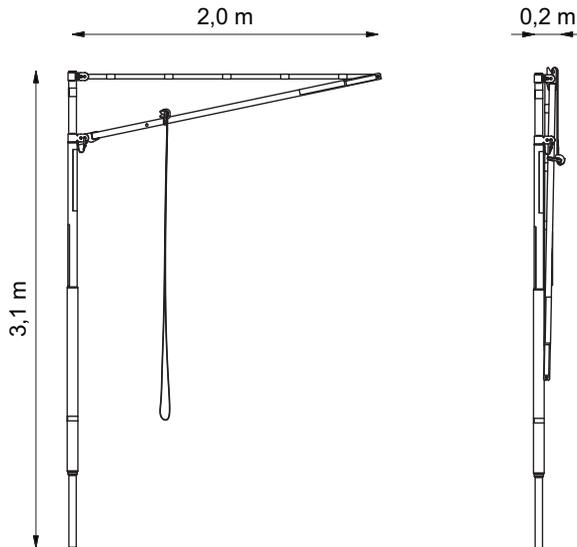


Figure 3. SkyReach Anchor in assembled mode and folded mode.

SkyReach Anchor Labels and Markings

Figure 4 below shows all the labels and markings of the SkyReach Anchor. The following figures (Figure 5, Figure 6 and Figure 7) are showing these important elements.

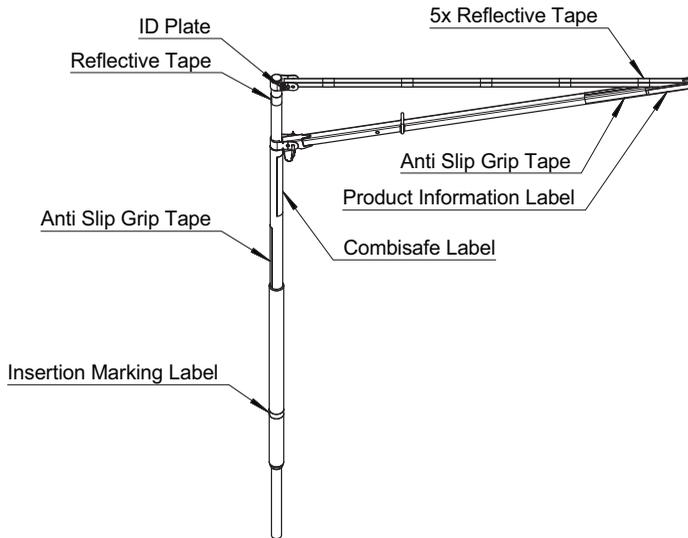


Figure 4. Labels and markings on the SkyReach Anchor.



Figure 5. A close-up of the ID Plate which includes the serial number.

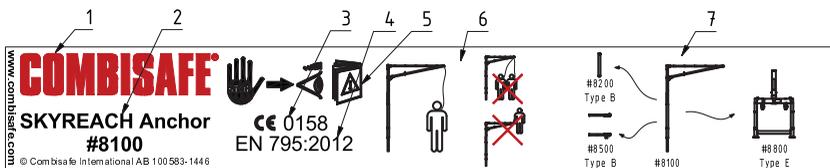


Figure 6. Detailed view of the Product Information Label.

1. Manufacturer.
2. Name of the product.
3. Identification number of the notified body; DEKRA EXAM GmbH, responsible for CE production quality control.
4. Compliance with EN 795:2012.
5. Pictogram: Read user instruction before use.
6. Description of usage.
7. Product combination with different attachments.

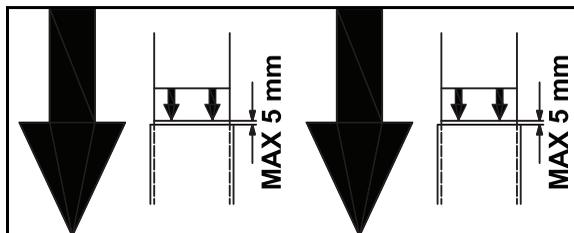


Figure 7. A close-up of the Insertion Marking Label, which shows accepted tolerances when inserting the SkyReach Anchor into its attachment.

Personal Fall Protection Equipment

To create a complete system to protect the operative when working at height, the SkyReach Anchor needs to be equipped with Personal Fall Protection Equipment (PFPE). Figure 8 shows an example on how to equip the SkyReach Anchor with recommended PFPE. All PFPE that is used must be certified and approved in the specific country of use.

The following PFPE is approved to be used together with the SkyReach Anchor:

- RTFA Retractable fall arresters certified to EN 360.
 Only the Miller Falcon 6,2 m has been tested and approved in combination with the SkyReach Anchor, and thus the only RTFA that will remain the SkyReach as a CE-certified product.
- Harness Full body harnesses certified to EN 361
- Lanyard..... Non shock absorbing lanyards certified to EN 354
 Can be used separately or in combination with EN 355 certified lanyard, or with a max length of 0,6 m in combination with the Falcon block.
- Lanyard..... Shock absorbing lanyards certified to EN 355
 Can be used separately or in combination with an EN 354 certified lanyard. Must **NOT** be combined with the Falcon Fall Arrest Block.

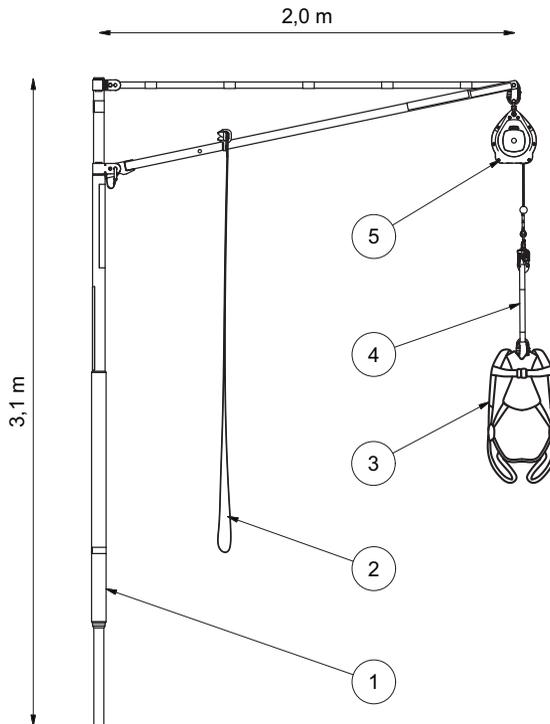


Figure 8. The figure shows a fully PFPE equipped SkyReach Anchor.

Item	Art no.	Designation	Weight
1	8100	SkyReach Anchor (includes item 2)	25 kg
2	100605	Endless Webbing Sling, 2 m	0,2 kg
3	-	Full body harness certified to EN 361	-
4	CM1002889	Miller extra webbing, 0.3 m	0,2 kg
5	CM1011729	Falcon Fall Arrest Block, 6.2 m	4 kg

Attachments

The SkyReach Anchor has been tested and approved to be used together with the following described attachments. Please remember that the SkyReach Anchor CE-certification is valid only when used with these attachments.

Cast-in Sleeve (Art. 8200)

The Cast-in Sleeve is a metal socket that shall be cast directly into the concrete on-site to house the SkyReach Anchor, see Figure 9.

A plastic plug covers the opening to protect against the ingress of dirt and water, remove before inserting the SkyReach Anchor into the sleeve. Please see the *Attachment installation* chapter for information on how to cast the sleeve into the concrete.

Material: Electroplated steel/oil-treated inner face
 Weight:..... 2,3 kg
 Height:..... 0,8 m
 Diameter: 76 mm

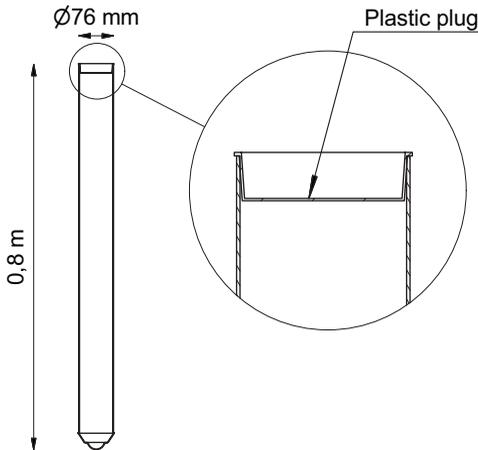


Figure 9. Cast-in Sleeve body with plastic plug.

Steel Flange Clamp (Art. 8500)

The Steel Flange Clamp is a clamp to be placed onto pillars with flange widths between 15 and 45 cm, see Figure 10. For the use of each SkyReach Anchor, two pieces of the Steel Flange Clamp and one piece of the Steel Flange Cup is needed. The combined article number for the combination is 8500. After installation, the SkyReach Anchor can be slotted into the clamps and is free to swivel. Please see the *Attachment installation* chapter for information on how to install the clamps.

Material:..... Hot-dip galvanised steel
Total weight:..... 13,8 kg
Length: 0,75 m
Fits flange widths:..... 0,15 – 0,45 m

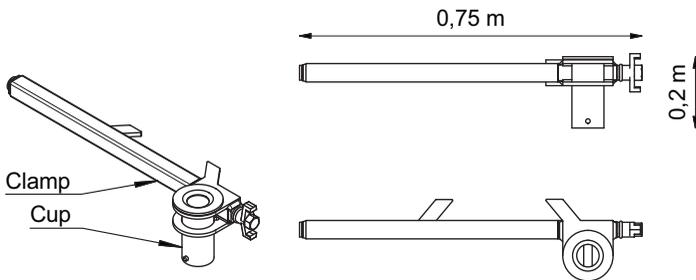


Figure 10. Steel Flange Clamp.

Loading System MkII (Art. 8800)

The SkyReach Anchor can be used together with the COMBISAFE Loading System MkII for the safe loading and unloading of e.g. flatbed lorries, see Figure 11. Since that combination is certified according to EN 795:2012 Type E, it cannot be covered within this User Instruction.

Please see *UI Loading System MkII*, provided by Combisafe.

- Material: Painted steel, painted/galvanised steel
- Total weight:..... 275 kg
- Height:..... 2,4/3,6 m
- Width:..... 1,4 m
- Depth: 1,4 m

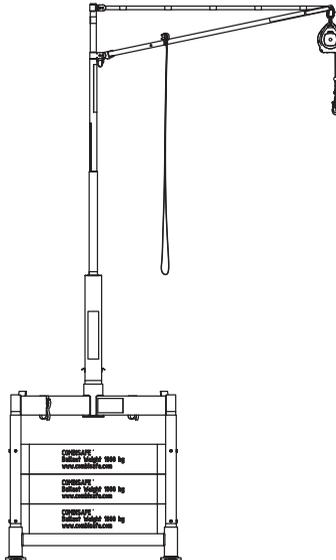


Figure 11. *The SkyReach Anchor placed in a COMBISAFE Loading System MkII Base.*

Optional items

The following items are not delivered as standard together with the SkyReach Anchor but can be ordered separately if required.

Levelling Element (Art. 83416)

The levelling element is a steel tube with a level on the top, see Figure 12. It is applied to ensure that the Cast-in Sleeve is level when cast into concrete. The levelling element must be lowered into the Cast-in Sleeve while the concrete is still wet to verify the alignment.

Material:..... Galvanised steel
 Weight: 2,8 kg
 Height: 1,0 m
 Diameter:..... 72 mm

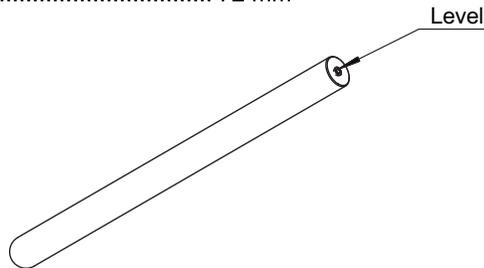


Figure 12. *Combisafe levelling element.*

SkyReach Reach Hook (Art. 11530)

The Reach Hook is used to reach adjacent SkyReach Anchors, which are out of reach by hand when changing the anchorage. It can also be useful to guide the SkyReach Anchor into the attachment if the anchor is lifted by crane. It has a shaft which is extendable and the length can vary from 1,2 to 2,7 m. Figure 13 is showing an image of the item.

Material:..... Aluminum/Hot-dip galvanised steel
 Weight: 1,0 kg
 Length: 1,2 – 2,7 m

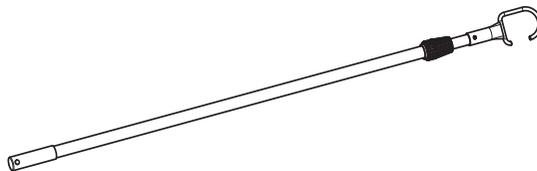


Figure 13. *SkyReach Reach Hook.*

Latex Cone (Art. 100608)

The Latex Cone is a weather protective gasket which is placed onto the mast of the SkyReach Anchor, see Figure 14. The purpose is to prevent water and dirt getting into the Cast-In Sleeve when the SkyReach Anchor is in place in the sleeve, and therefore preventing the SkyReach Anchor from becoming frozen in the sleeve. Since it is made out of Latex it is flexible and can be pulled from the bottom of the mast and up onto the widest section of the mast.

Make sure the Latex cone is pulled high enough so that the Insertion Marking Label is still visible, place the SkyReach Anchor into the Cast-in Sleeve according to the *Assembly* chapter. When it is correctly installed, the gasket can be pulled down to cover the opening of the sleeve.

Material: Latex
 Weight: 0,03 kg
 Height: 125 mm

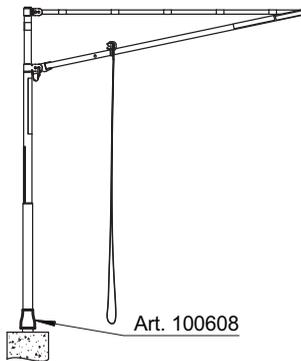


Figure 14. *Latex Cone.*

Attachment installation

Cast-In Sleeve installation

1. After pouring concrete into the column mold, place a Cast-In Sleeve in the upper side of the column while the concrete is still wet. The Sleeve has to be protruding 30-80 mm above the top surface of the column. See Figure 15. The Sleeve will be used as housing for the SkyReach Anchor.

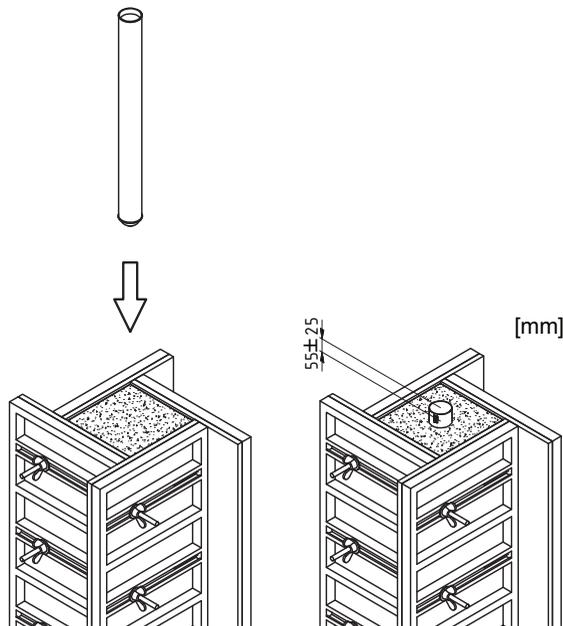


Figure 15. *Placing the Cast-in Sleeve body into the concrete column.*

2. Remove the plastic plug from the top of the Cast-in Sleeve and use the levelling element to make sure that the sleeve is in a vertical position, as shown in Figure 16. Prescribed tolerances have to be respected.

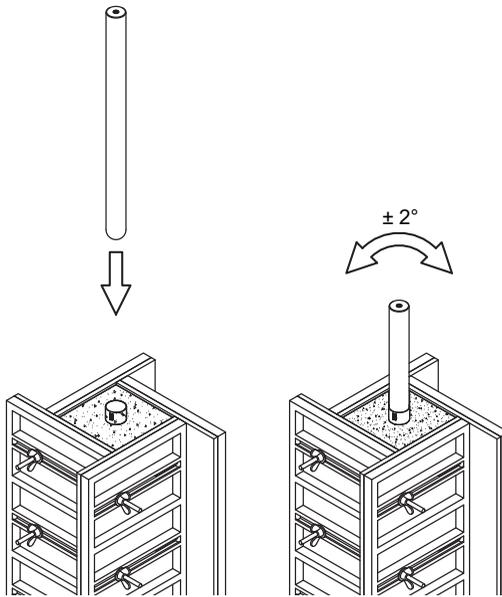


Figure 16. *Levelling the Cast-in Sleeve body.*

NOTE

During concrete hardening, uplift of the Cast-in Sleeve may occur. To prevent this, the tube should be encumbered or alternatively may be wired to rebars to keep the protruding tolerance.

In Figure 17, the cross-section area of a column, and the acceptable position of the Cast-in Sleeve, is shown. The acceptable position of the sleeve is varying depending according to the following formula:

C_{min} = maximum value of $(d_g + 5mm)$; (\varnothing_{bar}) ; (20 mm) , where:

C_{min} : minimum distance between the outer surface of the Cast-in Sleeve and closest reinforcement bar.

d_g : maximum size of aggregate used in concrete

\varnothing_{bar} : maximum diameter of any of the reinforcement bars used in the column.

As an example; if the maximum aggregate size is 16 mm, a $\varnothing 20$ mm vertical bar and a $\varnothing 12$ mm horizontal bar are used in a column. The minimum size to closest bar must then be 21 mm, hence the determined value is $d_0 = 16 + 5 = 21$ mm. The two other options \varnothing_{bar} ; or 20 mm are both 20 mm. Thus, the minimum distance can never be less than 21 mm. Please see Figure 17 for an example.

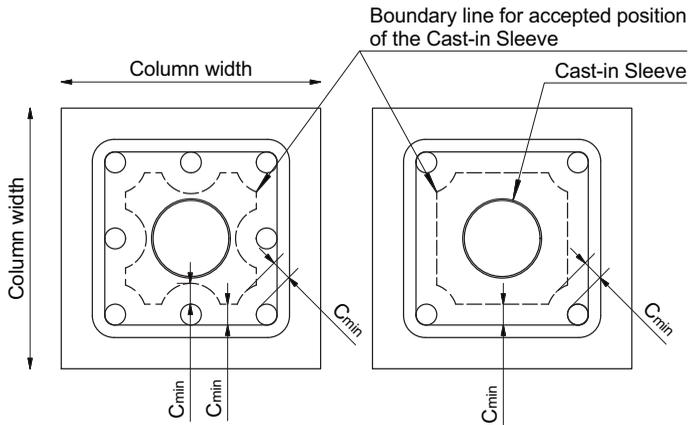


Figure 17. Accepted position for the Cast-in Sleeve in two different set-ups.

3. After the leveling is done, the plastic plug can be returned to the top of the sleeve to avoid ingress of water and debris.

The SkyReach Anchor has been tested and approved, according to EN 795:2012 Type B, in a Cast-in Sleeve cast into a column with the cross section 250 x 250 mm. In case of columns with smaller dimension, please contact Combisafe for installation details.

NOTE

Always wait at least 24 hours after pouring concrete before the SkyReach Anchor is installed and used. Otherwise the concrete may not be strong enough to withstand the loads that will occur from a fall.

Load on structure

The structure upon which the the SkyReach Anchor is mounted, must be capable of carrying the imposed loads. The maximum forces transmitted to the structure during service are shown in Figure 18.

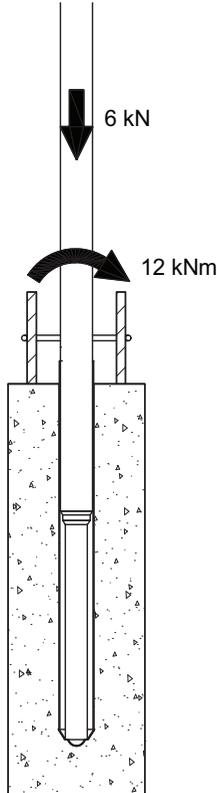


Figure 18. *Maximum loads transmitted to the structure.*

Steel Flange Clamp installation

The Steel Flange Clamp installation is shown in Figure 19.

1. Loosen the adjustment nut and increase the gap of the jaws enough to place the clamp over the beam flange.
2. Make sure the centre-to-centre distance between the upper clamp and the lower clamp is 700 mm, and that the clamps are perpendicular to the column.
3. Once the clamps are in the correct position on the column, tighten the nut to secure the position and to avoid accidental displacement of the Steel Flange Clamp.
4. Use a hammer to tighten the nut properly.

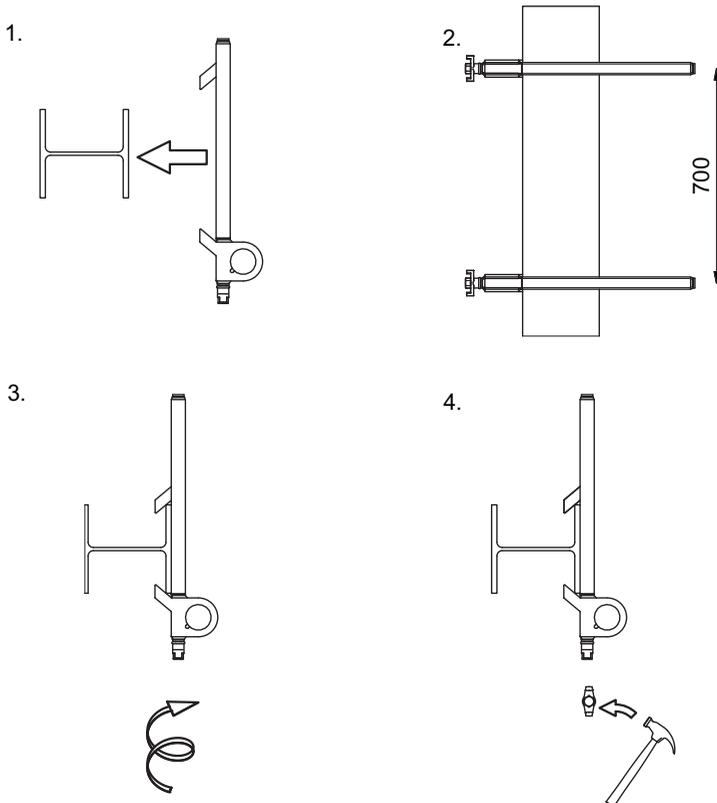


Figure 19. Attaching the Clamps to the column.

NOTE

The nut and the threaded rod should be cleaned from any dirt and be free of rust.

5. Install the cup into the lower Steel Column Clamp. There is a pin located on the side of the cup, which has to pass into the grooves on each lug on the clamp. The grooves in the lugs are not aligned so the cup must be turned to pass through both lugs. See Figure 20 for a detailed view.

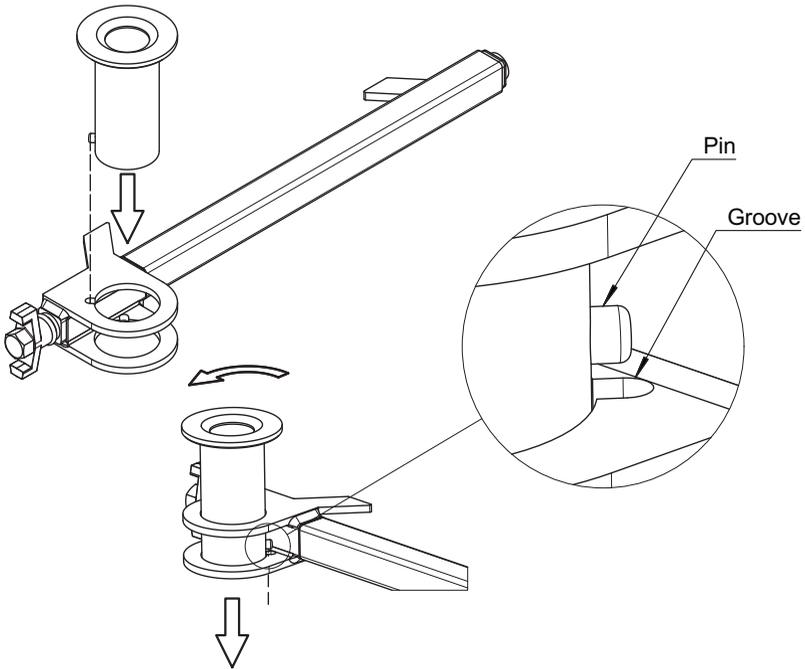


Figure 20. *Installing the Steel Flange Cup.*

Load on structure

The structure upon which the SkyReach Fall Arrest System is mounted must be capable of carrying the imposed loads. The maximum forces transmitted to the structure are shown in Figure 21.

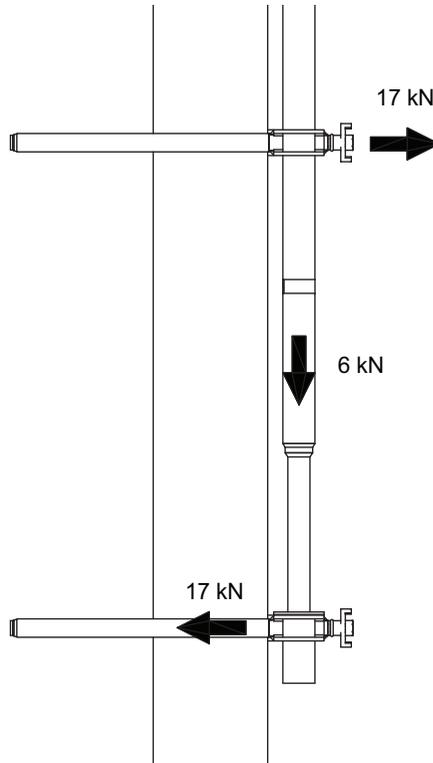


Figure 21. *Maximum loads transmitted to the structure.*

NOTE

It is important to take into consideration the column quality and stability under load. Evaluate all forces affecting the building structure. Never attach the Steel Flange Clamps to a column that would not stand the load caused by the fall of person using the SkyReach Anchor.

Assembly

In this document two different methods to assemble and install the SkyReach Anchor will be described. Either just by hand, or with the help of a crane. The outcome of your risk analysis, depending on the site, will decide what method to use.

Installation by hand

Due to the lightweight design of the SkyReach Anchor it can easily be moved and installed by one person only. Follow the instructions below to perform the installation in a safe and efficient way.

This method can only be recommended to use when the distance between each installed SkyReach Anchor is 8.5 m or less, when the 6,2 m Falcon fall arrest block and the 0,3 m extra webbing is used.

1. Remove the plastic plug from the Cast-in Sleeve. Carry the SkyReach Anchor in its folded position to its location at the column. Use your shoulder for easier transfer, see Figure 22. Lower the anchor and insert it into the sleeve. Make sure that the SkyReach Anchor is fully inserted.

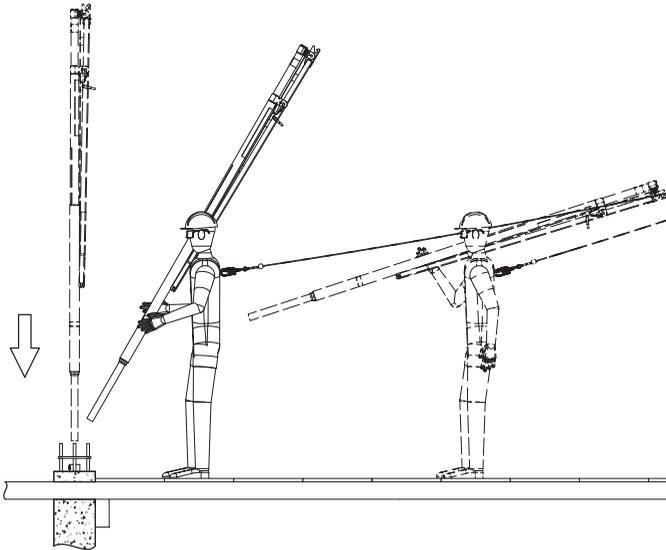


Figure 22. Moving the SkyReach Anchor by hand.

NOTE

Make sure that the SkyReach Anchor is inserted the correct length by observing the Insertion Marking Label. The upper edge of the sleeve must be aligned with the lower edge of the label, see Figure 23 for a closer illustration of the label.

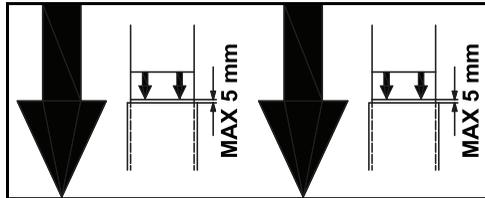


Figure 23. Close-Up on the Insertion Marking Label.

2. Unpin the Lock Pin located at the lower lug of the mast, which secures the boom and brace. Release the SkyReach Anchor boom and brace and proceed according to Figure 24.

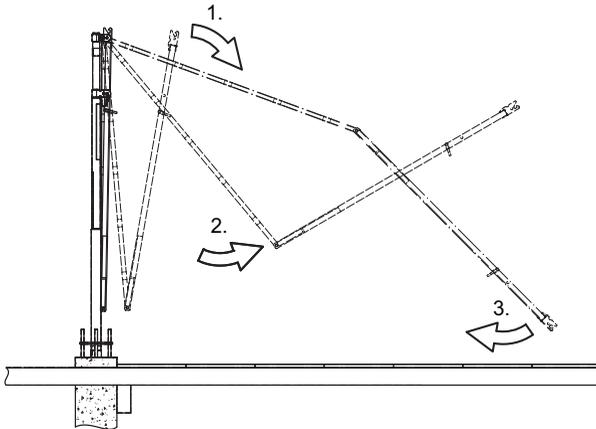


Figure 24. Unfolding the SkyReach Anchor.

3. Proceed either by; (1) fully assemble the SkyReach Anchor by placing the brace hook into lower lugs at the mast according to Figure 25, secure the brace with the Lock Pin according to the figure. Then connect the fall arrest block to the anchor point and make sure it is correctly secured. **Or** (2) proceed by arranging the position of boom and brace according to Figure 26, connect the fall arrest block to the anchor point, as it is now located at a lower height, before securing the brace to the mast.

NOTE

Always take care during installation; keep hands away from hinged or folding parts to avoid injury. Keep a firm grip of the SkyReach Anchor brace, during final unfolding, to avoid contact / impact with the head or other parts of the body.

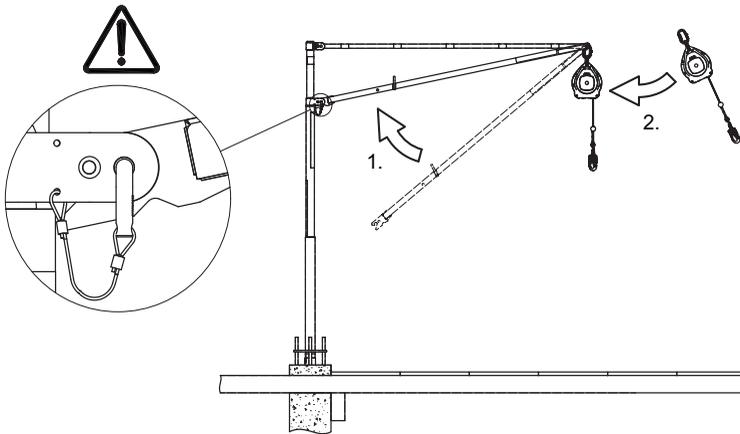


Figure 25. Assembling the SkyReach Anchor and attaching a 6,2m Falcon Fall Arrest Block.

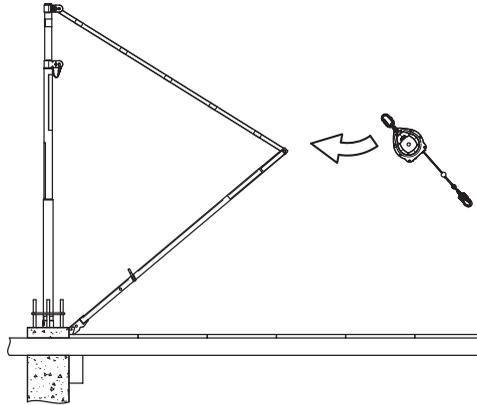


Figure 26. Attaching a 6,2m Falcon Fall Arrest Block at a lower height.

4. Make sure that the steps in the safety check in the *Maintenance* chapter are followed and executed. Now the SkyReach Anchor is ready to use!

NOTE

Make sure that the Lock Pin is properly installed, latch is dropped and that it is secured with the wire. Under no circumstances should a Lock Pin other than the ones provided by Combisafe be used.

The SkyReach Anchor should be able to rotate freely after installation, make sure that nothing prevents the rotation.

Installation by crane

With this method the SkyReach Anchor itself will be unfolded and assembled on the ground and then lifted into place by a crane. Please follow the instructions below.

This method only recommended when the distance between each installed SkyReach Anchor is 8,5-11 m, when the 6,2 m Falcon fall arrest block is used.

1. Mount the SkyReach Anchor in four easy steps, please see Figure 27.
 1. Place the folded SkyReach Anchor on the ground and unpin the Lock Pin to release the SkyReach Anchor brace and boom.
 2. Arrange the position of the boom.
 3. Move the SkyReach Anchor brace and make sure that the brace hook bracket (detail A) fits into the lower lugs (detail B).
 4. Secure the position from step 3 with the attached Lock Pin as shown in view C.

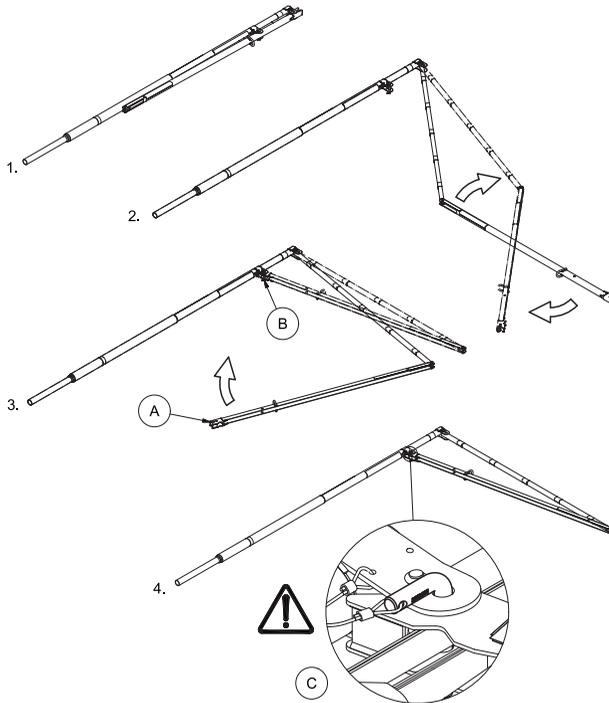


Figure 27. *Assembly process of the SkyReach Anchor on the ground.*

NOTE

Make sure that the Lock Pin is properly installed, latch is dropped and that it is secured with the wire. Under no circumstances should a substitute Lock Pin other than ones provided by Combisafe be used.

2. The next step is to connect the fall arrest block. Make sure that the component is correctly attached and secured to the SkyReach Anchor. Figure 28 is showing how the 6,2 m Falcon Fall Arrest Block is attached to the anchor point.

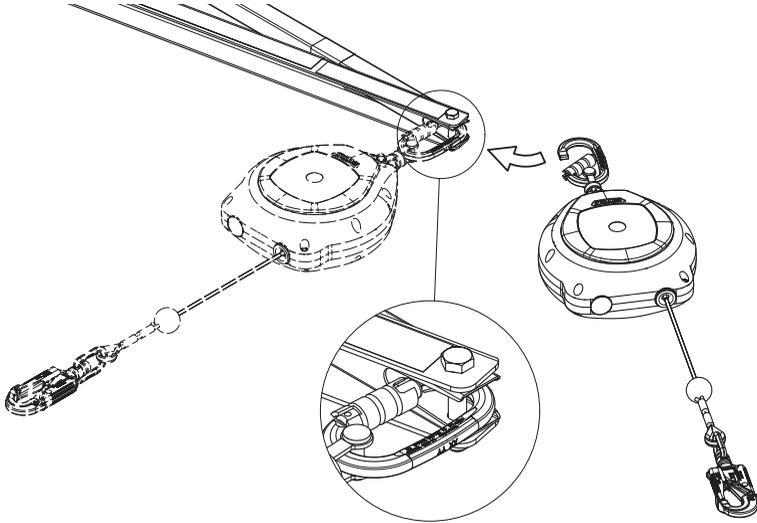


Figure 28. Attaching a 6,2m Falcon Fall Arrest Block

NOTE

The SkyReach Anchor is equipped with an Endless Webbing Sling which is used to lift the SkyReach Anchor by crane. Use only the sling supplied by Combisafe. Use the sling only for the purposes described in this user instruction. Please read the Endless Webbing Sling User Instruction for more information.

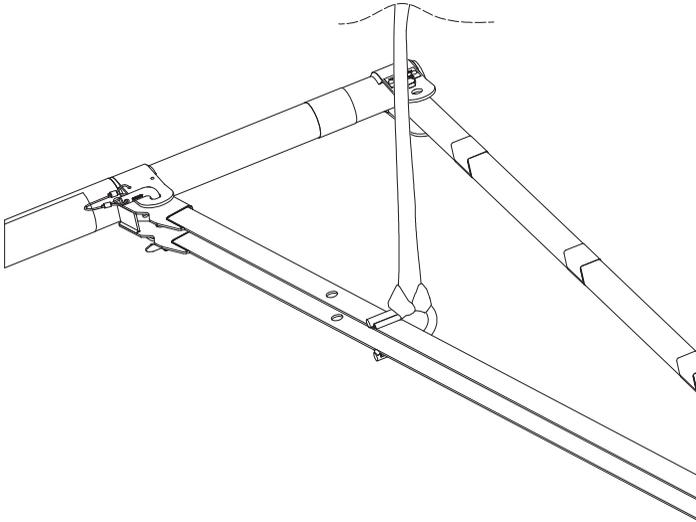


Figure 29. *Detail of sling installation*

3. Make sure that the Endless Webbing Sling is correctly attached to the Lifting Eye located at the brace. Attach the crane hook to the sling and lift the SkyReach Anchor. Remove the plastic plug from the Cast-In Sleeve, then lower the SkyReach Anchor down into the sleeve, see Figure 30. If required, the SkyReach Reach Hook can be used to guide the SkyReach Anchor into place by hooking the hook to the mast and guide the anchor into position.

NOTE

Check that the Cast-In Sleeve is empty and free of dirt (e.g. building debris, concrete, ice) prior installation of the SkyReach Anchor. Make sure that the SkyReach Anchor is inserted the correct length by observing the Insertion Marking Label. The upper edge of the sleeve must be aligned with the lower edge of the label, see Figure 31.

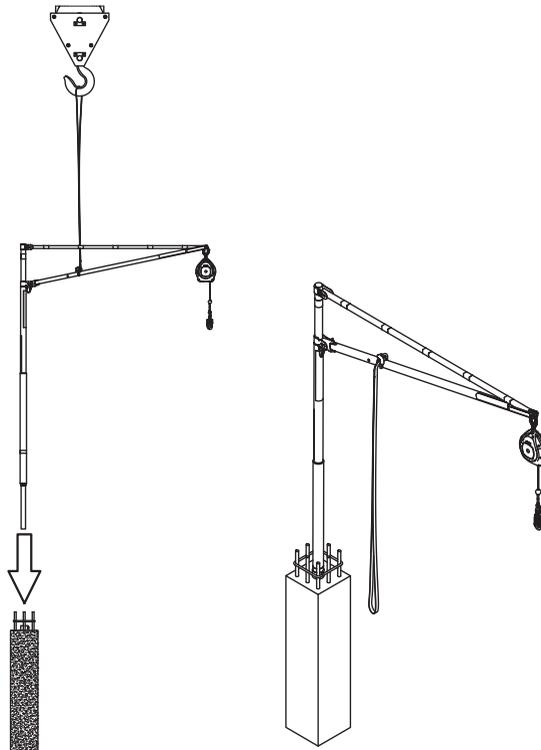


Figure 30. Placement of the SkyReach Anchor

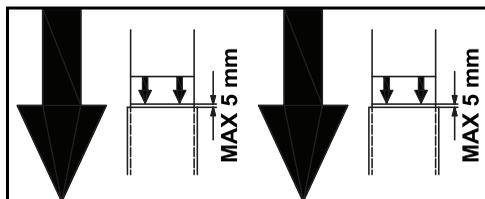


Figure 31. Close-Up on the Insertion Marking Label

4. Make sure that all steps in the safety check in the *Maintenance* chapter are followed and executed. Now the SkyReach Anchor is ready to use!

Dismantling

The installation procedure should be performed in the reverse order when dismantling.

Working procedure

To ensure proper function of the SkyReach Anchor, the proposed method of installation has to be used in a controlled and disciplined manner. Failure to follow this working method in detail could result in a fall which could result in injury or even death. Always perform a risk analysis and take actions before proceeding. It is always recommended to use edge protection in conjunction with the SkyReach Anchor when using it for decking for formwork operations.

If using the SkyReach without edge protection on the building, please be aware of how the maximum length of your PFPE will affect how close to the edge of the building the SkyReach can be inserted to prevent a hazardous pendulum fall. Please see Figure 32 below for a clarification.

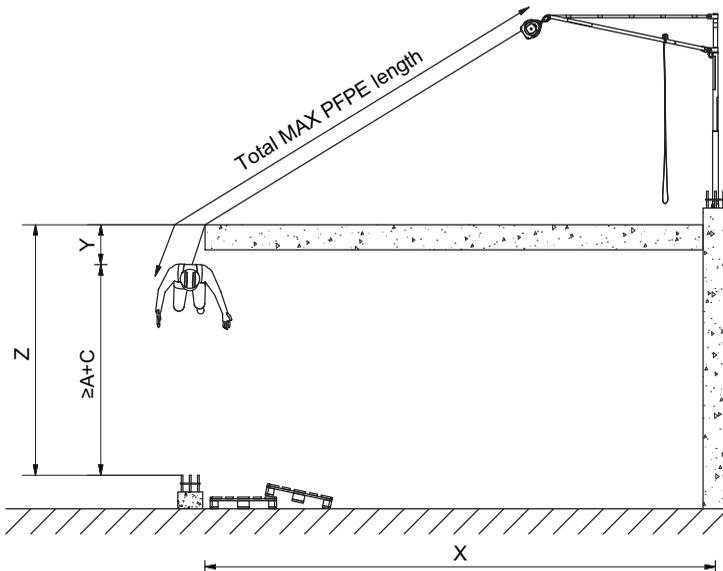


Figure 32. Distance from SkyReach to edge of building.

If Z decreases, then X must be increased. At all times must the following relation be followed:

$$Z - Y \geq (A+C)$$

The values for A and C can be found in Figure 2 and the explanation belonging to "Fall clearance".

If using edge protection, the above statement need not be considered, and the SkyReach can be inserted as close to the edge as needed. The pictures in the following installation description are to be seen as edge protection is used.

Any operative performing this action should be wearing:

- Appropriate footwear,
 - Reflective vest and helmet with chin strap,
 - Full body harness
 - Extra webbing 0.3 m for extended back anchorage.
1. Always plan the area in advance and assure that the most suitable place for the first SkyReach is chosen. It is extremely important that the protected area is decked in a progressive, leading edge fashion, working from the SkyReach Anchor in the priority sequence as shown in Figure 33.
 2. The area within 2 m around the SkyReach Anchor and column has to be decked first, and then joined to areas of adjacent deck to form a leading edge approximately 2 m in front of the SkyReach Anchors.

NOTE

The work method has to be adjusted to cover any “man size” holes as the work progress, and not leave them as unprotected voids in the working deck.

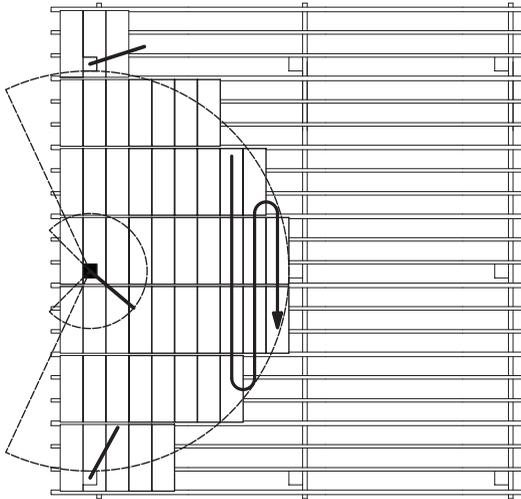


Figure 33. *Decking process.*

3. After all accessible areas provided by the SkyReach Anchor in use are covered, the connection has to be changed and the sequence started again. The areas protected by the SkyReach Anchors from adjacent columns will overlap, permitting workers to support each other, and ensure a common, progressive leading edge.
4. Connect to an adjacent SkyReach Anchor and proceed by decking the areas reachable from that anchor, please see Figure 34. Repeat the procedure by changing to anchors placed in the remaining columns needed to cover the whole deck.

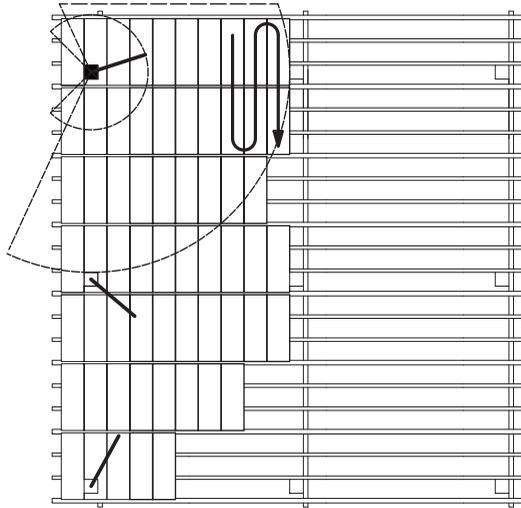


Figure 34. *Decking process after changing anchor point.*

NOTE

The leading edge has to be extended across the whole width of the area, to prevent “peninsulas” developing within the protected area otherwise a pendulum fall can occur from their edge, and the falling person will swing back towards the SkyReach Anchor and drop an increased distance.

One example of wrong way of formwork installation is shown in Figure 35.

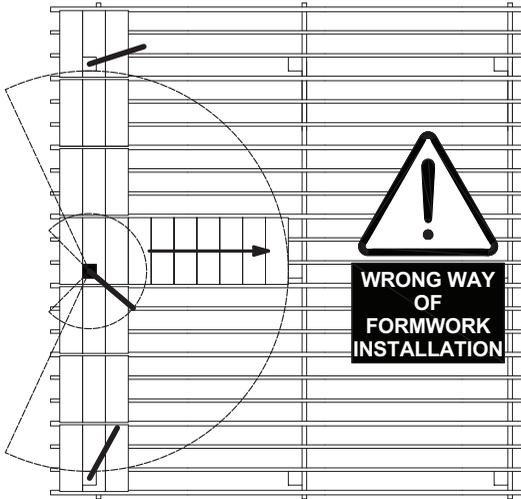


Figure 35. *Wrong way of formwork installation, this is not allowed*

Changing anchor

The SkyReach Anchor has been designed to allow the operator to change anchor before unhooking themselves from the first anchor, and thus provide safety at all times, see Figure 36. The use of the recommended 0.3 m Extra Webbing attached to the Full body harness allows quick and comfortable attaching of a snap hook or fast disengagement if any dangerous situation occurs

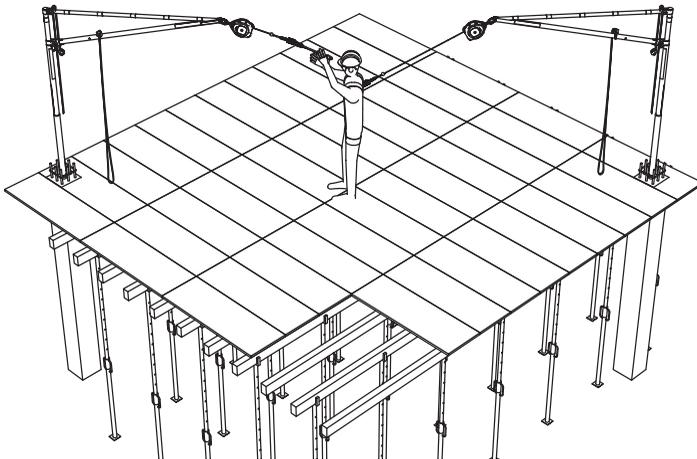


Figure 36. *Changing anchor points between adjacent SkyReach Anchors.*

Use the SkyReach Reach Hook to reach next SkyReach Anchor in case when it is not possible to reach it by hand.

NOTE

Under no circumstances should the Reach Hook be hung anywhere on the SkyReach body when you are not using it. It could cause injury or malfunction of the SkyReach Anchor.

Maintenance

Safety check before initial use

Checking of the system shall be performed before each use, if any of the listed statements below are not satisfied, make sure to correct any issue before using the product.

Checking includes the following steps:

SkyReach Anchor:

- Ensure that no drill holes have been made.
- Ensure that no corrosion that can affect the strength of the component has occurred.
- Ensure that there is no weld damage or deformation to any part of the component.
- Ensure that there is no damage to the Lifting Eye neither to the welds attached to the Eye.
- Ensure that all bolts are tightened securely.
- Ensure that the Lock Pin is connected to the wire attached to the lower lug on the mast, it is fitted correctly in place, and that it is not damaged or deformed.
- Ensure the legibility of the product marking.
- Ensure that the Hook at the end of the brace is not damaged, and that it can be smoothly placed into the lower lugs on the mast when performing the mounting.
- Ensure that the Fall Arrest Block or lanyard is completely secured to the Anchor Point.
- Ensure that the SkyReach Anchor is fully engaged into the attachment and free to rotate.
- Ensure that there is no damage to the Endless Webbing Sling.

Cast-In sleeve:

- Ensure that no drill holes have been made.
- Ensure that no corrosion that can affect the strength of the component has occurred.
- Ensure that there is no weld damage or deformation to any part of the component.
- Ensure that the SkyReach Anchor can be inserted correctly and is free to rotate.
- Ensure that the Cast-in Sleeve is protruding within the accepted measurement from the concrete column top surface.

Steel Flange Clamp:

- Ensure that no drill holes have been made.
- Ensure that no corrosion that can affect the strength of the component has occurred.
- Ensure that there is no weld damage or deformation to any part of the component.
- Ensure that the adjusting wing nut rotates properly and the jaw is moving.
- Ensure that the cup is fitted properly in the lower clamp.
- Ensure that the distance between the upper and lower clamp is correct.
- Ensure that the clamps are perpendicular to the column.
- Ensure that the SkyReach Anchor can be inserted correctly and is free to rotate.

PFPE

- Please follow the manufacturer's recommendations for safety and checking.

If any of the listed statements above are not satisfied, correct any issue before usage of product.

Cleaning

Periodically clean the exterior of the parts. Wipe all parts to remove grease or dirt using a damp cloth and if needed use mild detergent, towel dry.

Do not use any detergent that could affect the strength of the parts.

Storage

Store Combisafe products in a dry and ventilated area protected from the effects of the weather and from corrosive substances.

Recycling

When the SkyReach Anchor and Steel Flange Clamps have been taken out of service they can be recycled as steel.

Endless Lifting Sling and plastic plugs can be recycled according to material specification on the items.

COMBISAFE[®]

SAFETY BY SYSTEMS

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