



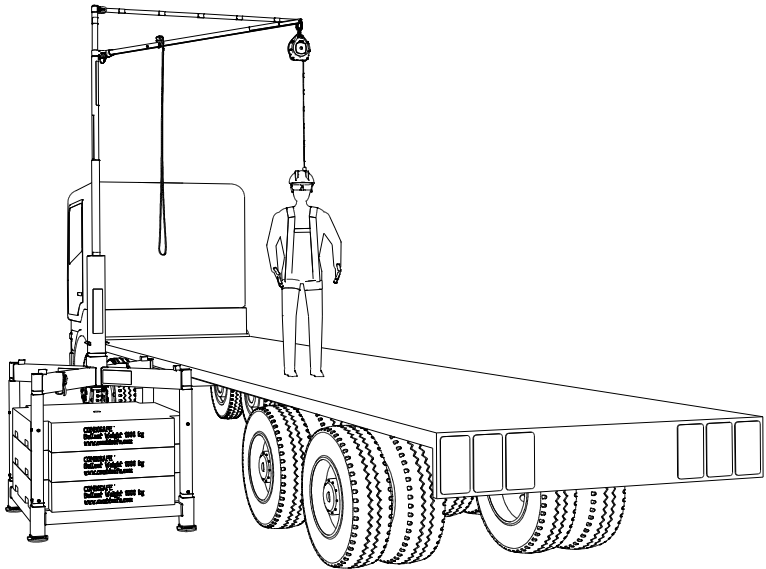
RIDGEWAY

COMBISAFE[®]

SAFETY BY SYSTEMS

Loading System MkII

Including SkyReach Anchor



USER INSTRUCTIONS

CE 0158 - EN 795:2012-E

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General

The Loading System MkII has been designed to ease the loading and unloading of equipment from the top of a flatbed delivery lorry/trailer in a safe manner.

The Loading System MkII incorporates a SkyReach Anchor unit which itself incorporates a Miller Falcon retractable fall arrest to connect to the full body safety harness worn by the operative.

The SkyReach Anchor is designed to deform, and absorb the energy and reduce the arising forces, when a fall occurs.

When working at low heights, the standard Loading System MkII can be used. When working at higher positions the system can be equipped with the SkyReach Loading System Adaptor which gives 5,9 metres in height from the ground to the anchor point position. This allows the operative to work up to 5,5 metres in height from ground level with a working radius of up to 8.5 metres.

This combination is tested to prove compliance with EN 795:2012 Type E standard, and is CE-certified by DEKRA EXAM GmbH, Dinnendahlstraße 9, 44809 Bochum, Germany, with identification nr 0158.

The Loading System MkII can be used on a construction site or in a loading yard and it can be moved to alternative locations as needs arise. To ease transportation and storage, the Loading System MkII is designed to be flat packed and stackable. When flat packed the total height of the base is 0,6 m. The SkyReach Anchor itself can be separated and folded for ease of transport between locations.

When used for unloading a 20 ft trailer a Loading System MkII single unit can be used, if unloading a 40 ft trailer a Loading System MkII double unit can be used.

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

Safety Instructions

The Loading System MkII is only intended for the purpose stated in this user instruction. Any other usage is not recommended. The usage of this product is performed on heights above the ground that may be dangerous; if using this product incorrectly there is a risk for fatal accidents exposed to the user or people nearby. Therefore, please read this manual carefully before any usage.

- Under no circumstances should the product be used as a makeshift crane or lifting/lowering device.
- Under no circumstances should substitute items, other than those provided with the system, be used. Neither in replacement nor 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 inspected by a trained person and replaced/removed.
- 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 inspected by a trained person and replaced/removed.
- The site location where the equipment is located should have in a rescue plan in place, in the event of a fall incident.
- The device is only intended for use by one person at a time. Under no circumstances should multiple persons be attached to the device.
- Where the base is positioned directly onto the ground, as opposed to hard standing concrete, sole plates of suitable size and strength should be placed under the feet of the base to safely transmit and sustain a load of up to 2,5 N/mm².
- Do not lift the Loading System MkII unit, including any of its components with crane, except for the SkyReach Anchor unit itself.
- When a crane is lifting the SkyReach Anchor unit, be aware of the movements made by the crane and keep a safe distance.
- The SkyReach Anchor is 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 this product is re-sold outside the original country 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 parts in this system not produced by Combisafe, please see the manual provided for that specific part if questions occur.
- It is not recommended to use the products stated in this user instruction when 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 Loading System MkII before assembly. Never use damaged or rusty materials, as this can affect safety. Later on in this document there is a check list in the *Maintenance* chapter which must be followed and executed prior to usage.

Never combine products

It is not recommended to install, combine or interconnect products other than those supplied by Combisafe. Combisafe product responsibility remains valid only with correctly installed Combisafe products.

Always use personal fall arrest equipment

Personal Fall Protection Equipment 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).

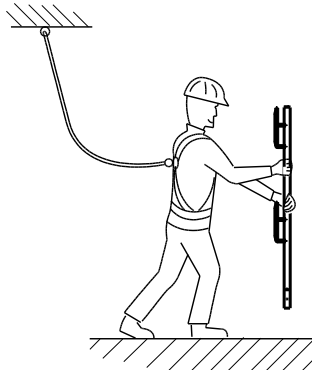


Figure 1. *Personal Fall Protection Equipment.*

Fall clearance

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

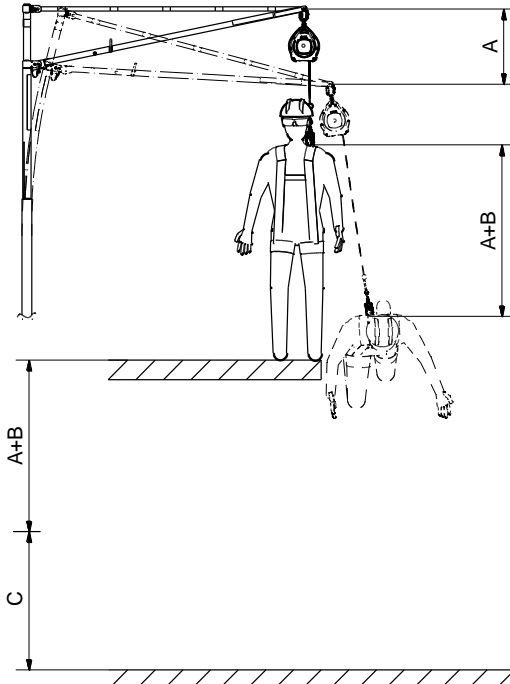


Figure 2. Explanation of fall clearance

- A: 0,7 [m] Vertical deflection of the SkyReach Anchor Point
 - B: X Braking distance of the PFP-Equipment. Please refer to the manufacturer's user manual for specific values.
 - 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 system, a safety inspection of the Loading System Base, the SkyReach Anchor and the used 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 accident has occurred, e.g. a person falling, the items should directly be removed from service and inspected by a competent person according to the manufacturers safety check.

Please contact Combisafe for knowledge about competent persons and what documents to follow and fill in.

NOTE

The SkyReach Anchor is designed to deform when 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.

Remember

- Plan fall prevention at an early stage, this will benefit everyone.
- Use only safety-checked products.
- Restrict access below and around 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 pleasant workplace.
- Many fall accidents occur from a low height.
- Parts might be slippery when wet, be cautious when handling.

Technical Data

Main parts

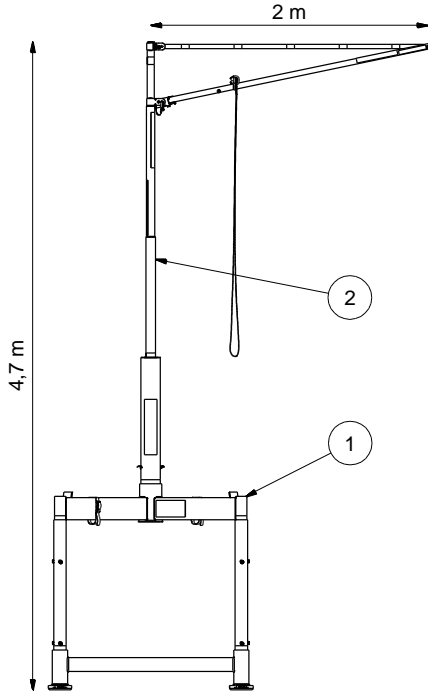


Figure 3. Main parts of the Loading System MkII with the SkyReach Anchor installed.

Item	Part no.	Designation	Weight
1	8800	Loading System MkII Base	275 kg
2	8100	SkyReach Anchor	25 kg

Optional Items

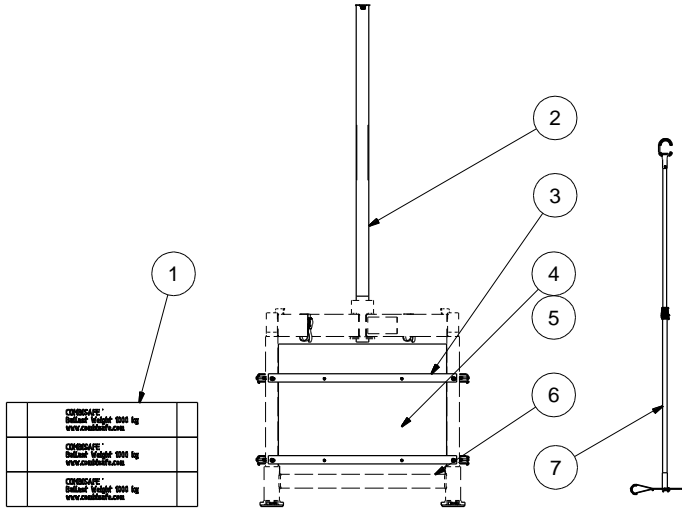


Figure 4. *Optional items.*

Item	Part no.	Designation	Weight
1	10663	PRECAST KENTLEDGE (3 pcs needed)	1000 kg/pc
2	8801	SkyReach LOADING SYSTEM ADAPTOR	25 kg
3	11446	FORMWORK SUPPORT (8 pcs needed)	11 kg/pc
4	11536	CONCRETE SIDE BOARD Assy (4 pcs needed)	16 kg/pc
5	11539	GRAVEL SIDE BOARD (4 pcs needed)	11 kg/pc
6	11540	BOTTOM BOARD	16 kg
7	11530	SkyReach Reach Hook	1,5 kg

Loading System MkII Base

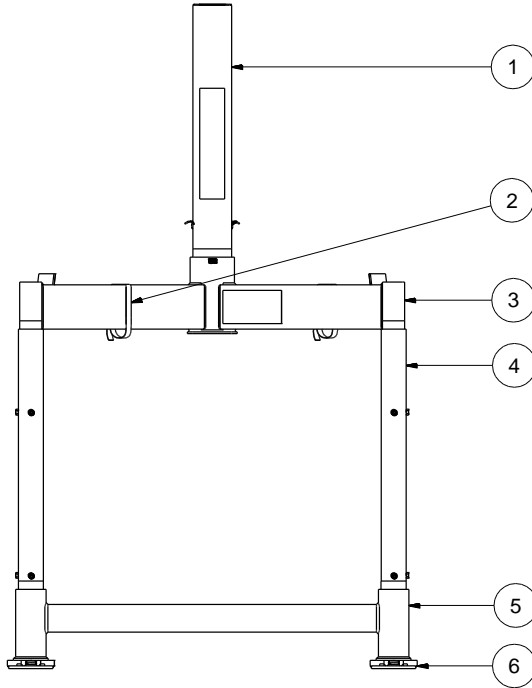


Figure 5. Loading System MkII Base.

Item	Part no.	Designation	Weight
1	11468	TOP COLUMN	27 kg
2	100413	COMBISTRAP, 1 m (2 pcs)	0 kg
3	11438	TOP FRAME	72 kg
4	11431	CORNER POST	10 kg/pcs
5	11432	BOTTOM FRAME	108 kg
6	11518	FOOT	2 kg/pcs

SkyReach Anchor

The SkyReach Anchor is designed to be a light weight product and can easily be folded to a transport configuration mode, which leads to a space-saving and a portable product, see Figure 6. To secure both positions (site configuration and transport configuration) the attached Lock Pin is used.

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

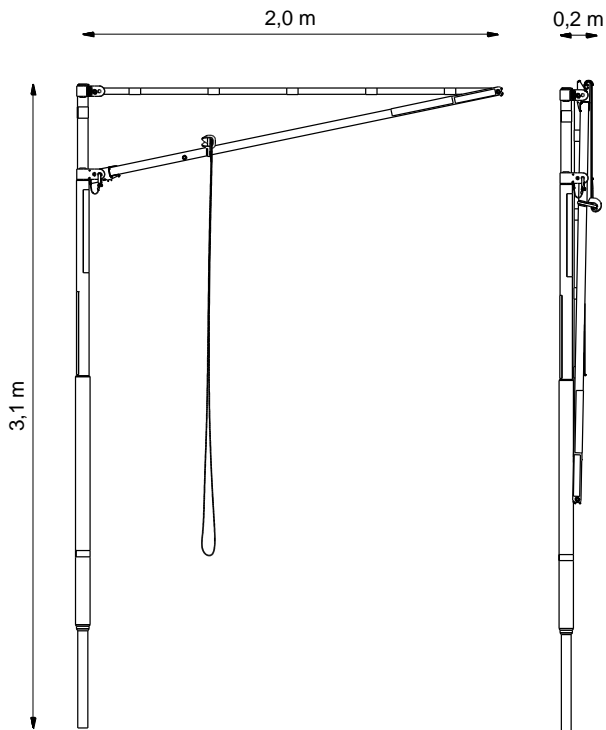


Figure 6. *The SkyReach Anchor in assembled and folded mode.*

SkyReach Anchor Labels and Markings

The Figure 7 below shows all the labels and markings attached to the SkyReach Anchor. The following Figure 8, Figure 9 and Figure 10 is showing important markings in detail.

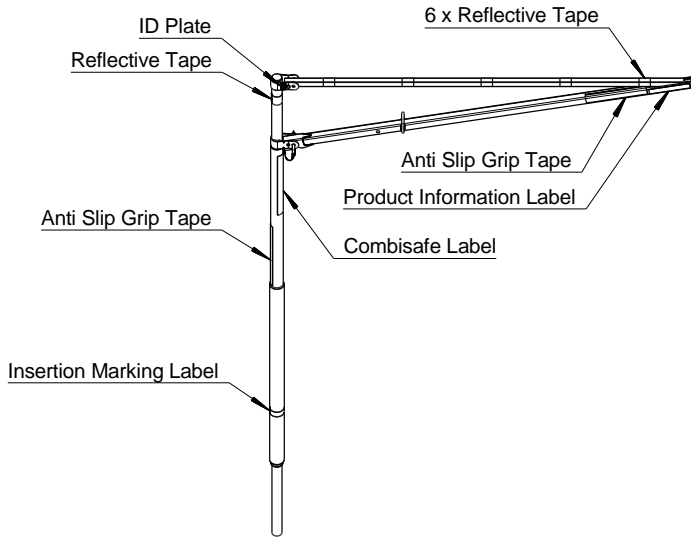


Figure 7. Labels and markings on the SkyReach Anchor.



Figure 8. A close-up on the ID Plate which consists the serial nr.

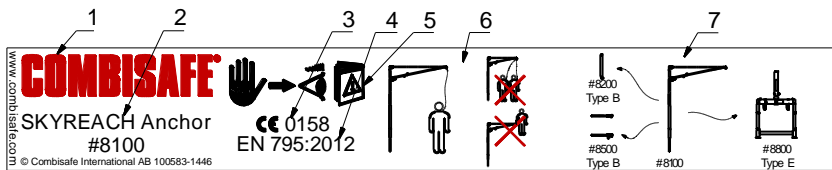


Figure 9. Detailed view of the Product Information Label

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.

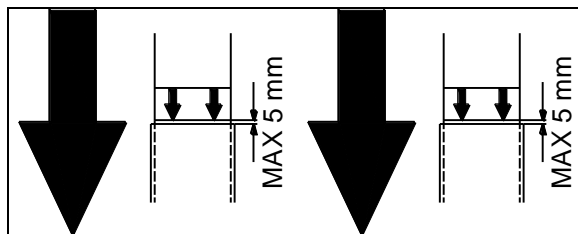


Figure 10. A close-up on the Insertion Marking Label, which shows accepted tolerances when inserting the SkyReach Anchor into its attachment.

Personal Fall Protection Equipment

To create a complete system to protect the operative when working at heights, the Loading System MkII needs to be equipped with Personal Fall Protection Equipment (PFPE). Figure 11 below shows an example on how to equip the SkyReach Anchor with recommended PFP-equipment. All PFPE that is used must be certified according to valid standards and approved in the country of use.

The following PFPE is approved to be used together with the Skyreach Anchor and the Loading System MkII:

- RTFAFall arrest blocks certified to EN 360.
 Only the Miller Falcon 6,2 m or the Miller Falcon 10 m when a double unit is used, are accepted hence it is tested and approved in combination with the Skyreach Anchor.
- Harness.....Full body harnesses certified to EN 361.
- Lanyard.....Non shock absorbing lanyards certified to EN 354,
 To be used in separate or in combination with EN 355 certified lanyard, or in combination with the Falcon block with a max length of 0,6 m.
- Lanyard.....Shock absorbing lanyards certified to EN 355.
 To be used in separate or in combination with an EN 354 certified lanyard. Must **NOT** be combined with the Falcon block.

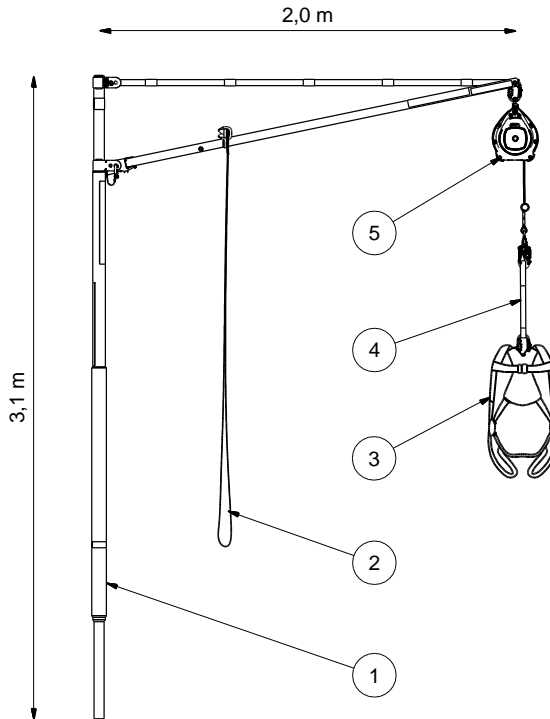


Figure 11. The figure shows the SkyReach Anchor equipped with recommended PFPE.

Item	Part no.	Designation	Weight
1	8100	SkyReach Anchor (includes item 2)	25 kg
2	100605	Endless Webbing Sling, 2 m	0,2 kg
3	CM1014237	Miller Revolution 2, Full Body Harness	1,5 kg
4	CM1002889	Miller extra webbing, 0.3 m	0,2 kg
5	CM1011729	Miller Falcon Fall Arrest Block, 6.2 m	4 kg

Ballast

The LOADING SYSTEM MkII Base needs to be loaded with minimum 2800 kg of ballast to keep stable and meet the requirements in the standard. The ballast can be applied in three different ways, which are presented below. Further details on how to perform the ballast loading procedure are described in the *ASSEMBLY* chapter.

- **PRECAST KENTLEGE (Part no. 10663)**

The PRECAST KENTLEGE is a 1000 kg heavy concrete block designed to fit into the LOADING SYSTEM MkII BASE. Using three units of the PRECAST KENTLEGE is enough to achieve the weight requirement. These should be ordered as an option as they are not included as a standard.

- **Concrete box cast on site**

For this option, a package of FORMWORK SUPPORT should be ordered, as they are not included in LOADING SYSTEM MkII as a standard. With the FORMWORK SUPPORTS mounted, a plywood box inside the LOADING SYSTEM MkII BASE will make it possible to cast concrete in the box directly on site. All the necessary plywood boards to create a box are also orderable.

- **Gravel box**

For this option, a package of FORMWORK SUPPORT should be ordered, as they are not included in LOADING SYSTEM MkII as a standard. With the FORMWORK SUPPORTS mounted, a plywood box inside the LOADING SYSTEM MkII BASE will make it possible to fill up with gravel directly on site. All the necessary plywood boards to create a box are also orderable.

Assembly

Assembling the LOADING SYSTEM MkII

The following information and illustrations are a step by step guide on how to rig a LOADING SYSTEM MkII together with a SKYREACH ANCHOR unit successfully. The LOADING SYSTEM MkII can be used with any of the three ballast options described. Please refer to the appropriate instruction pertaining to the actual case.

Before attempting to rig a LOADING SYSTEM MkII unit, please make sure you have the following tools:

- Hammer.
- 22 mm spanner or an adjustable spanner.
- Spirit level.
- Crane for installation of the SKYREACH unit.
- Fork lift truck, or equivalent vehicle, for lifting the device.

NOTE

Except for lifting the SkyReach Anchor unit alone, lifting the LOADING SYSTEM MkII, or its parts with a crane is not permitted. Use a fork lift truck and refer to the guides in this document.

Installation instructions for Loading System MkII

1. Make sure that the ground, where the LOADING SYSTEM MkII is placed, is relatively flat. The LOADING SYSTEM BASE has got adjustable FEET which are designed to adjust within a 5 degree inclination. Use a fork lift truck to handle the BOTTOM FRAME, place the forks underneath the horizontal tubes and spread the forks apart prior to lifting, see Figure 12. Place the BOTTOM FRAME on the ground. Use a spirit level to make sure that the BOTTOM FRAME is level. If not, simply rotate the FEET by hand or use a 22 mm spanner to wrench, or a hammer to strike on the ADJUSTING BAR to adjust the FEET until the BOTTOM FRAME is level, see Figure 13.

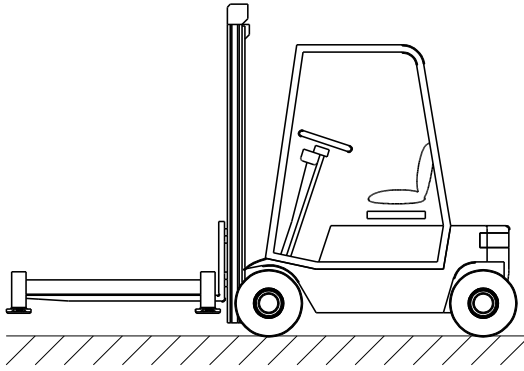


Figure 12. *Lifting of BOTTOM FRAME with truck.*

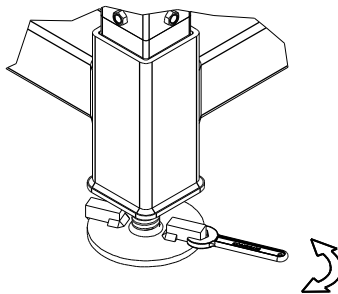


Figure 13. *Adjustment of FOOT height with a 22 mm spanner.*

2. Place the four CORNER POSTS into the BOTTOM FRAME, with the welding nuts facing outwards. (When using the PRECAST KENTLEDGE as ballast, it is recommended to only insert the two rear CORNER POSTS before loading the ballast.)

Make sure that the placed CORNER POSTS are inserted the correct length into the sleeves, observe the Insertion Marking Label position, see Figure 14.

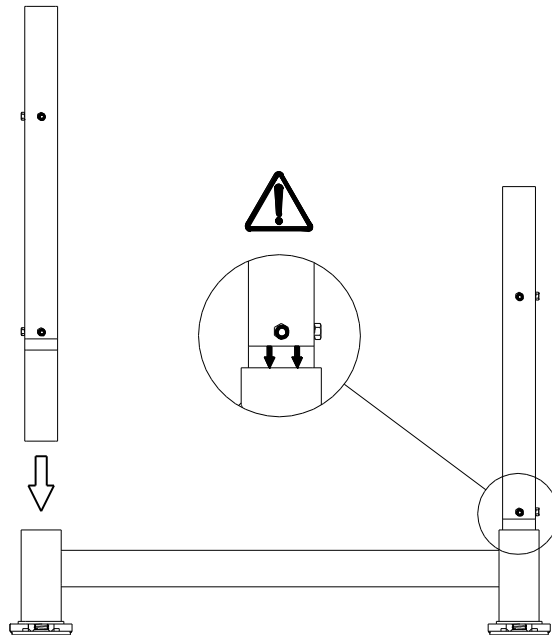


Figure 14. Insertion of the CORNER POSTS.

NOTE

The lower edge of the Insertion Marking Label on the CORNER POSTS must be flush with the upper edge of the BOTTOM FRAME POSTS for a safe and proper installation. See Figure 15 below for a closer illustration of the label.

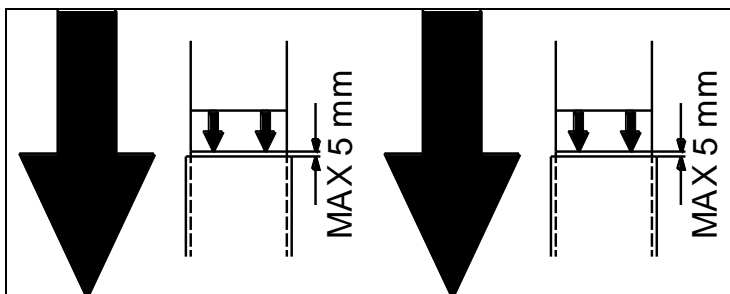


Figure 15. Close-Up of Insertion Marking Label.

If using PRECAST KENTLEDGES as ballast option, please proceed to step 3. If using cast concrete as ballast option, please proceed to step 4 and if using gravel as ballast option, please proceed to step **Error! Reference source not found.**

3. **PRECAST KENTLEDGE ballast option**

Check that the two rear CORNER POSTS are inserted correctly, and the two front CORNER POSTS are left beside. Use a forklift truck to place the three 1000 kg COMBISAFE PRECAST KENTLEDGES onto the BOTTOM FRAME one after another, see Figure 16. When the concrete blocks are in place, place the two remaining CORNER POSTS into the base. Next step is to mount the top unit, please proceed to step 6.

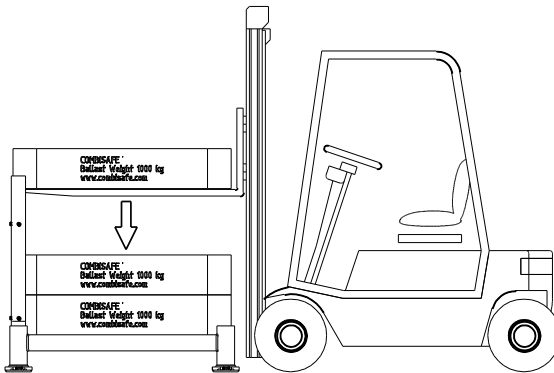


Figure 16. Placement of last ballast.

4. **Cast-In-Concrete ballast option**

Check that that all four CORNER POSTS are inserted correctly into the BOTTOM FRAME. Use the BOTTOM BOARD or cut a piece of 18 mm Formwork Plywood, complying with EN 636-3, in the format as shown in Figure 17 and place in the centre of the BOTTOM FRAME. Bolt the eight FORMWORK SUPPORTS to the welding nuts located on the CORNER POSTS. Use the bolts attached to the FORMWORK SUPPORTS and make sure that they are tightened firmly, see Figure 18 for illustration.

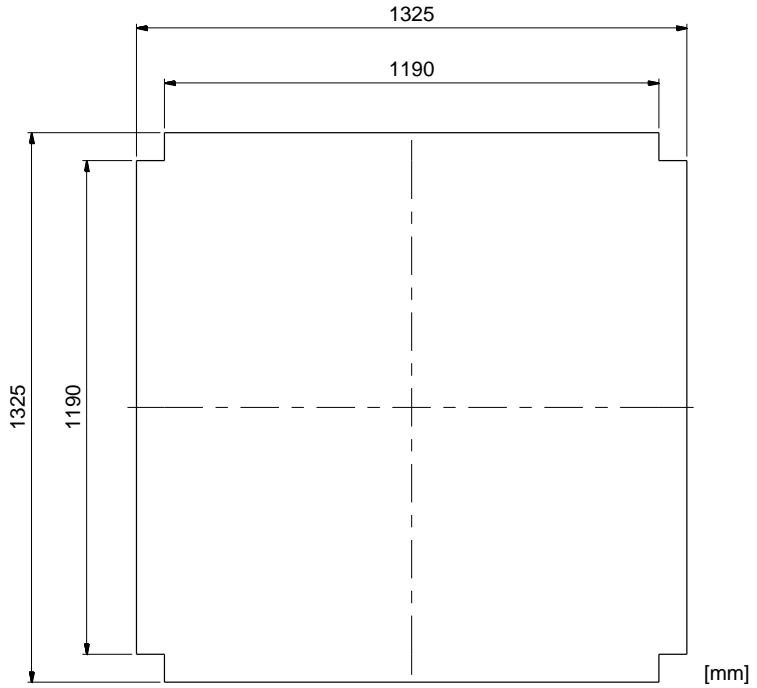


Figure 17. Dimension for the *BOTTOM BOARD*. (Art. 11540)

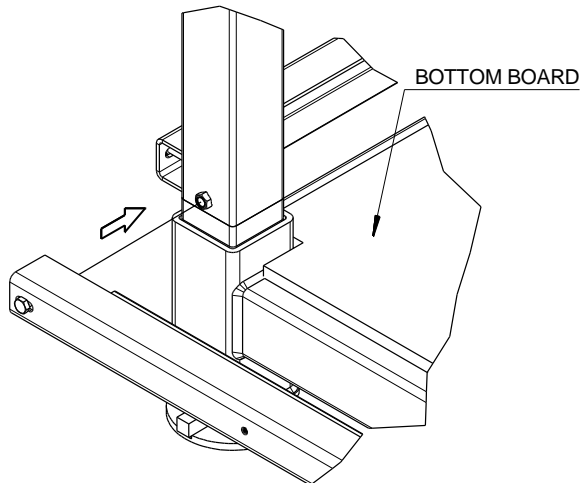


Figure 18. Example of placement of *FORMWORK SUPPORT*.

- 4.1 Use the CONCRETE SIDE BOARD Assy or cut twelve 70x45 wooden rafters to 920 mm in length and four pieces of 18 mm Formwork Plywood, complying to EN 636-3, to the format 1285x920 mm and cut out a notch in one corner as shown in Figure 19. Make four similar side board units according to these instructions, and then fix the rafters to the boards with wooden screws as in Figure 19.

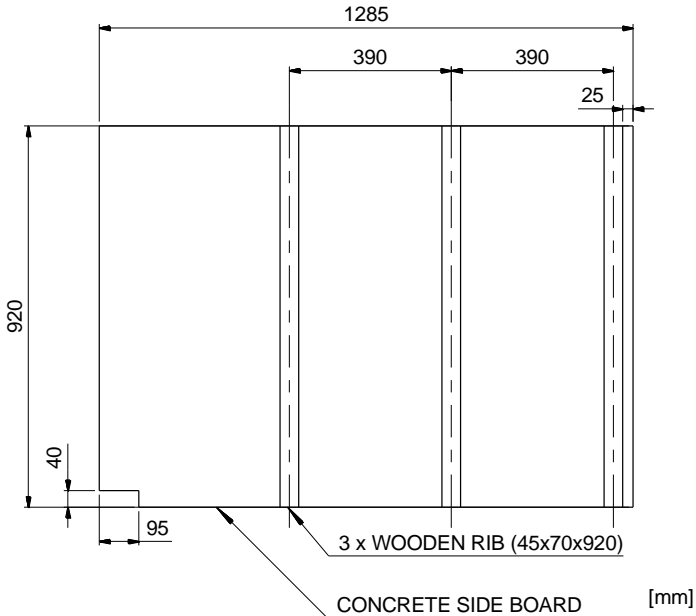


Figure 19. Dimensions for CONCRETE SIDE BOARD Assy unit. (Art. 11536)

- 4.2 Place the four CONCRET SIDE BOARD Assy units equally one after another onto the BOTTOM BOARD located in the BASE, with the notch facing down and the WOODEN RIBS leaning towards the FORMWORK SUPPORTS see Figure 20. Make sure to place all the units overlapping so that all the sideboard units get the same support when leaning against the FORMWORK SUPPORTS.

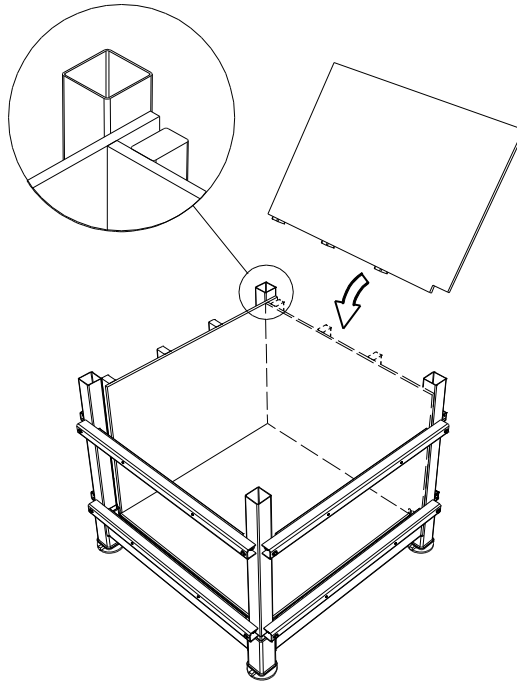


Figure 20. *Placement of the side board units.*

- 4.3 When all the sides are in place and the plywood boards create a tight box, fix the boards with wooden screws and pour concrete into the box. Make sure to fill the whole box, all the way to the top of the side boards to achieve the minimum weight requirement. Next step is to mount the top unit, please proceed to step 6.

NOTE

The density of the concrete mix should under no circumstances be less than 2400 kg/m^3 , otherwise will the ballast not meet the minimum weight requirements according to the standards.

5. **Gravel filled ballast option**

- 5.1 Check that that all four CORNER POSTS are inserted correctly into the BOTTOM FRAME. Use the BOTTOM BOARD or cut a piece of 18 mm Formwork Plywood, complying to EN 636-3, to the format as shown in Figure 21 and place in the centre of the BOTTOM FRAME. Bolt the eight FORMWORK SUPPORTS to the welding nuts. Use the bolts attached to the FORMWORK SUPPORT and make sure that they are tightened firmly, see Figure 22 for illustration.

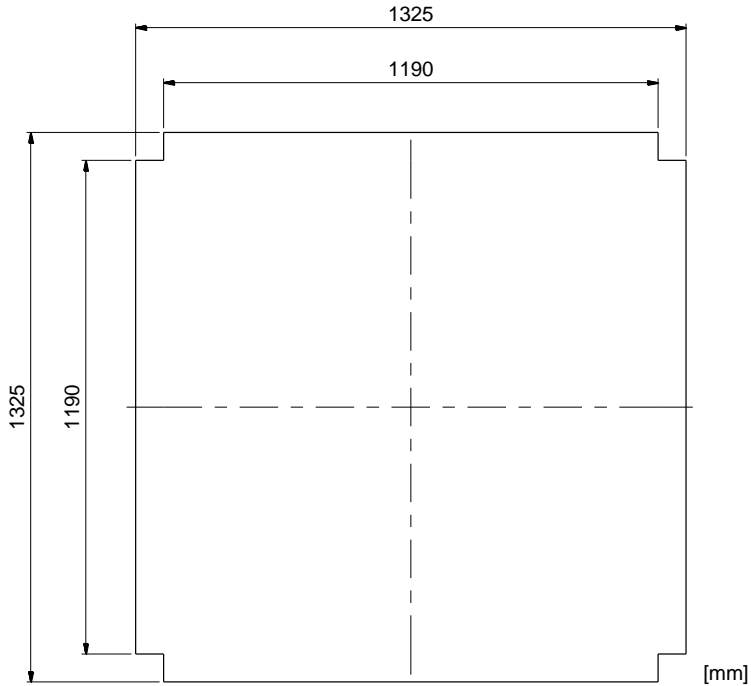


Figure 21. Dimension of the bottom plywood board. (Art. 11540)

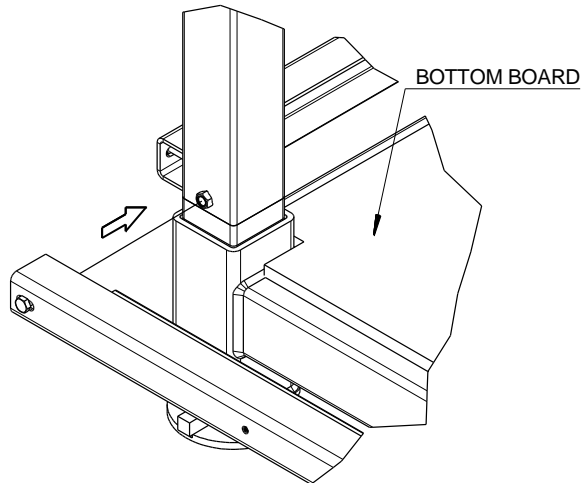


Figure 22. *Example of placement of FORMWORK SUPPORT.*

- 5.2 Use the GRAVEL SIDE BOARD or cut four pieces of 18 mm Formwork Plywood, complying to EN 636-3, to the format as shown in Figure 23. Place the boards one after another in the BASE, with the notches facing down, leaning against the FORMWORK SUPPORTS, see Figure 24 for illustration. The boards shall be placed onto the BOTTOM FRAME and not onto the BOTTOM BOARD. Fix the boards to the FORMWORK SUPPORTS with wooden screws.

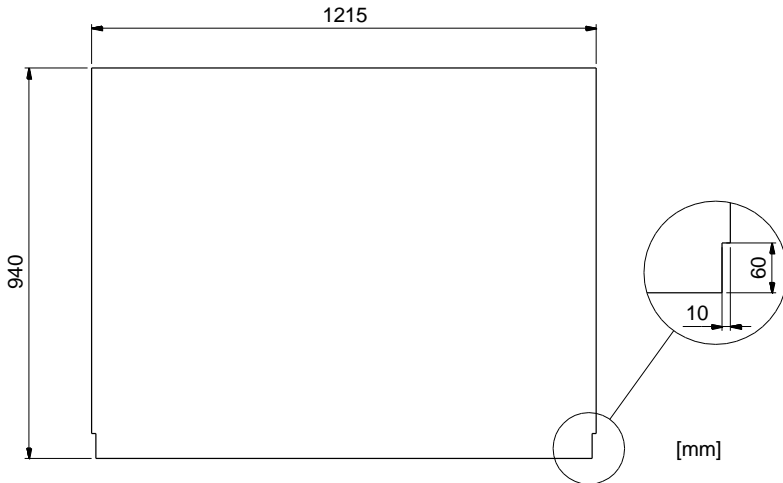


Figure 23. Dimension of the GRAVEL SIDE BOARD (Art.11539). Note that the board has got notches in both the bottom corners.

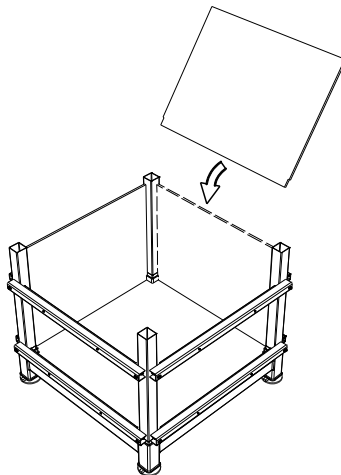


Figure 24. Placement of the side board units.

5.3 When all the boards are in place and they create a box, fill the box up with gravel, compact well and make sure that the gravel reaches the top edge of the side boards. Next step is to mount the top unit, please proceed to step 6.

NOTE

The density of the gravel should under no circumstances be less than 1780 kg/m^3 , otherwise will the ballast not meet the minimum weight requirements according to the standards.

6. When using the SKYREACH in the Loading System MkII unit, the TOP COLUMN can be used to reach a working height up to 3,5 m, if greater working height is preferred then chose the LOADING SYSTEM ADAPTER instead. With this solution you will reach a working height up to 5 m. The following instructions can be applied to both of the solutions but the illustrations are showing the TOP COLUMN only.

With the TOP FRAME still standing on the ground, insert the TOP COLUMN/LOADING SYSTEM ADAPTER unit into the TOP FRAME, observing that the Insertion Marking Label is in position, see Figure 25.

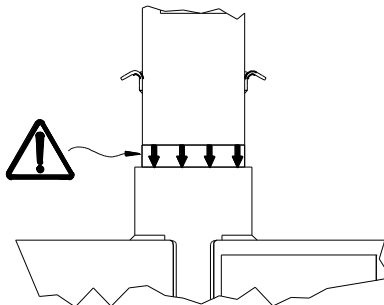


Figure 25. Insertion Marking Label on TOP COLUMN.

NOTE

Make sure that the TOP COLUMN/LOADING SYSTEM ADAPTER is inserted the correct length into the sleeve. Insertion Marking Label on TOP COLUMN/LOADING SYSTEM ADAPTER must be flush with upper edge of TOP FRAME MID POST for a safe and proper installation.

7. Installation instructions for the SkyReach Anchor

7.1 Mount the SkyReach Anchor from the folded position with four easy steps, please see Figure 26 for illustration:

1. Unpin the Lock Pin and 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 Lock Pin according to the view C.

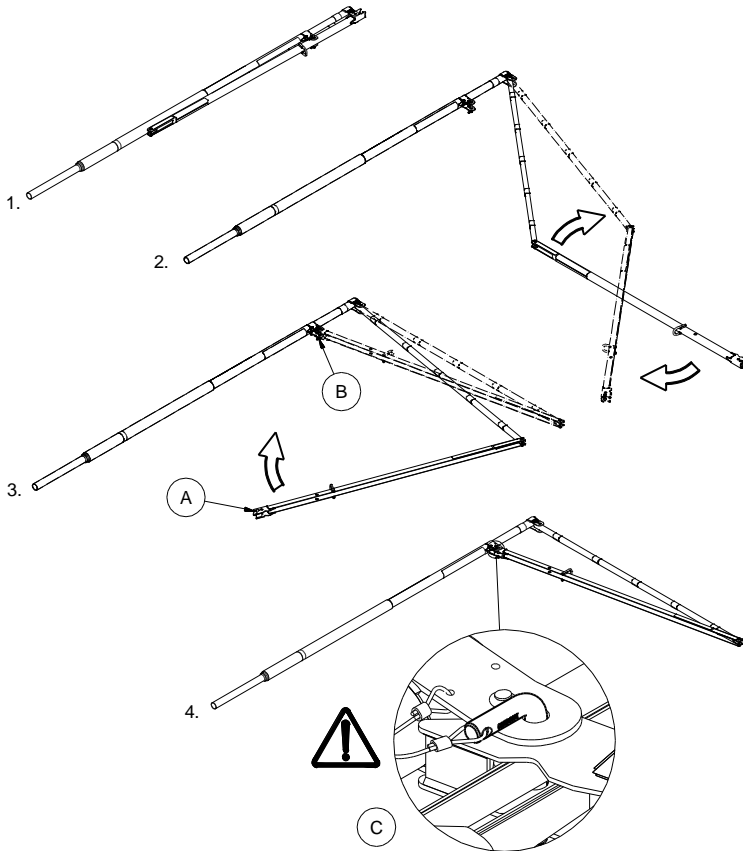


Figure 26. Assembly process of the SkyReach Anchor

NOTE

Make sure that the Lock Pin is properly installed and secured with the wire lock. Under no circumstances should a substitute quick release pin other than that provided by Combisafe be used.

- 7.2 Connect the 6.2m Miller Falcon fall arrest block. Proceed according to Figure 27. Make sure that the carabiner is correctly attached to the SkyReach Anchor point and is secured.

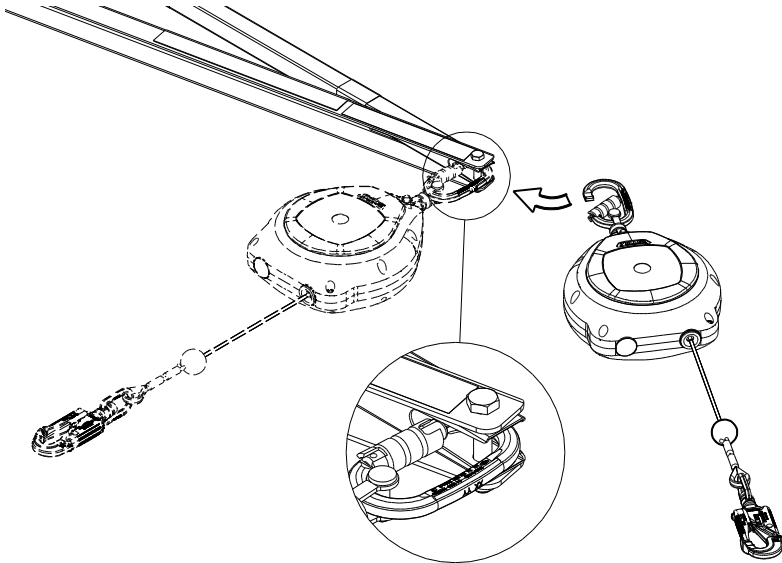


Figure 27. Attaching the 6,2m fall arrest block.

It is strongly recommended that a rope is tied to the fall arrest block karabiner to enable the operative to retrieve the reel and allow simple connection to the operatives 0.3 m extra webbing. It is not recommended to leave only the lifeline of the block pulled out in this matter, due to possible damage to the reel.

- 7.3 Make sure the incorporated Endless Webbing Sling is attached correctly, see Figure 28. The Sling is used for positioning and repositioning of the SkyReach Anchor to the required location on the column.

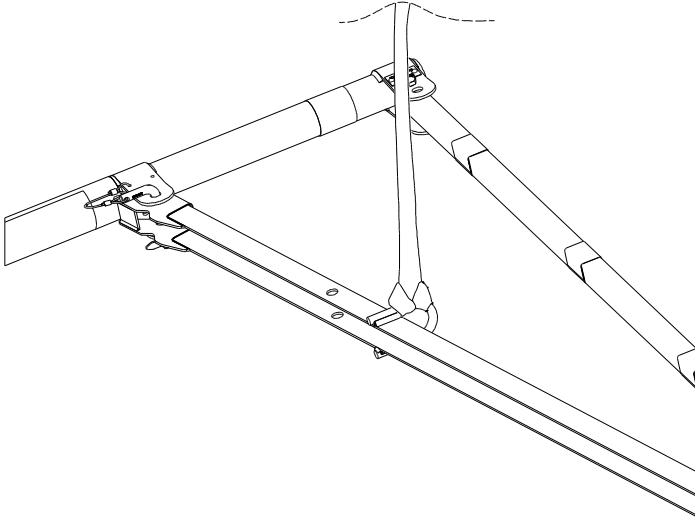


Figure 28. Detail of sling installation.

NOTE

Use only the sling supplied by Combisafe. Use the sling only for the purposes described in this user instruction. Please read the provided user manual for the Endless Webbing Sling.

- Use a crane to lift the assembled SKYREACH by placing the crane hook to the sling which is attached to the SKYREACH. Lower it down into the TOP COLUMN/LOADING SYSTEM ADAPTER while the TOP FRAME is still standing on the ground, see Figure 29. Use the HOOK to guide the SKYREACH into place if needed. Make sure that the SKYREACH is inserted the correct length, please observe the Insertion Marking Label position, see Figure 29.

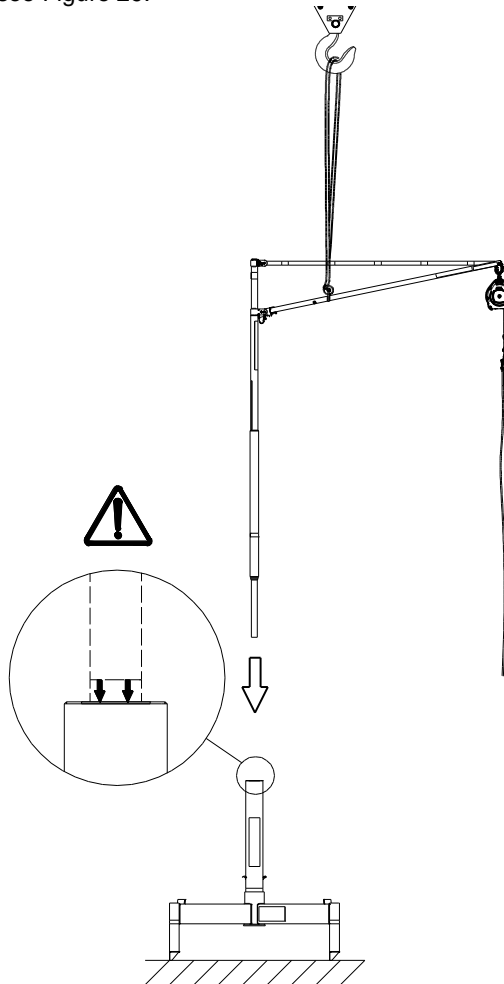


Figure 29. Placement of the SKYREACH unit into TOP COLUMN while TOP FRAME still standing on the ground. Beware of the crane and its movement to avoid injuries.

NOTE

The SkyReach Anchor unit must only be inserted into the TOP FRAME while it is standing on the ground. Under no circumstances is it permitted to climb on to the TOP unit if it accidentally has been mounted onto the BOTTOM unit before the SkyReach has been installed.

9. Using a forklift truck, place the forks underneath the horizontal tubes of the TOP FRAME, spread the forks as wide as possible and then secure the TOP FRAME assembly with the two supplied COMBISTRAPS before lifting. Straps shall be attached diagonally to each fork on truck to ensure a safe lift, see Figure 30 below. Remember that the straps should be tightened firmly.

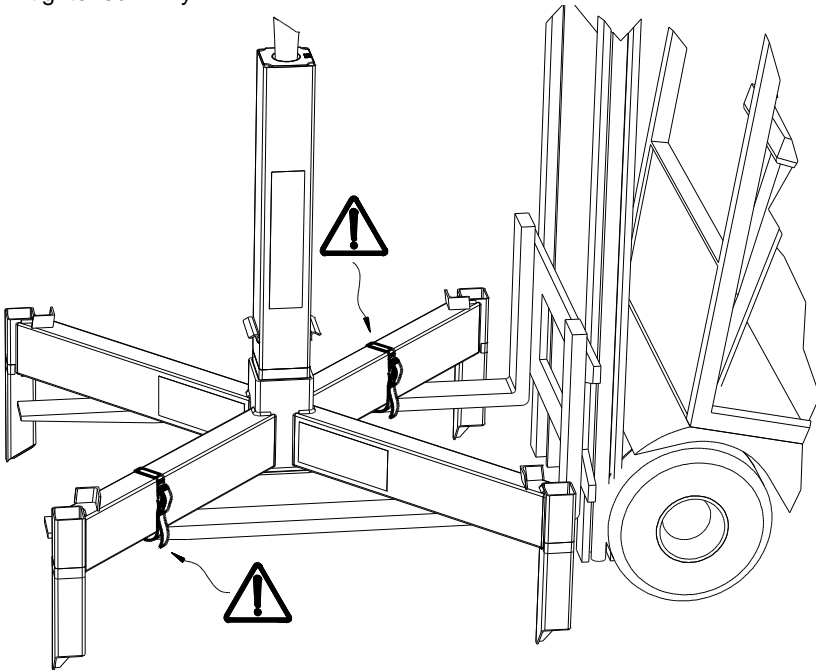


Figure 30. Use the included COMBISTRAPS to secure the TOP FRAME to the forks prior to lifting.

Lift the assembled top unit high enough above the CORNER POSTS, and slowly lower the assembly when the four TOP FRAME FIXING TUBES can be slotted into the CORNER POSTS. Lower the assembly slowly and make sure it runs smoothly down into the CORNER POSTS.

Make sure the assembly is inserted the correct length by checking that the lower edge of Insertion Marking Labels are flush with upper edge of CORNER POSTS, see Figure 31.

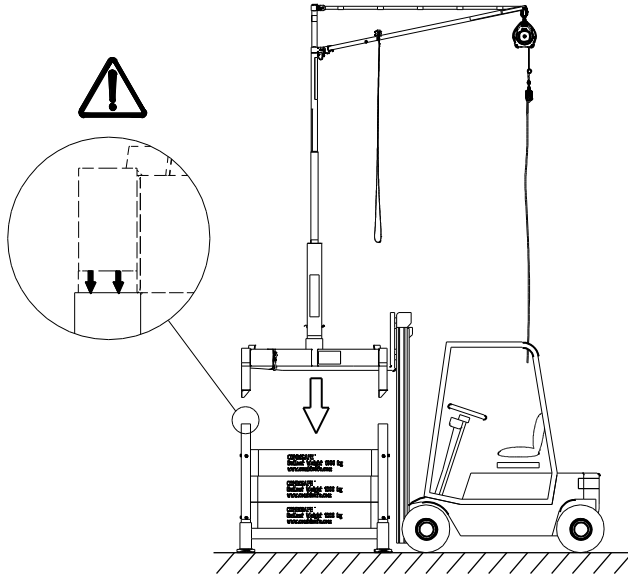


Figure 31. Insertion of TOP FRAME to CORNER POSTS. Note the position of Insertion Marking Label when TOP FRAME slotted into the CORNER POSTS in the illustration to the left.

NOTE

Under no circumstances is it allowed to climb on to the TOP unit once it is mounted and thereby completed as a BASE unit.

10. Make sure that the steps in the safety check in the *Maintenance* chapter are followed and executed. Now the LOADING SYSTEM MkII is ready to use!

Dismantling

The parts shall be dismantled the reversed order as the mounting was done.

Transportation

If there is a need for moving the LOADING SYSTEM MkII, once the unit is assembled and loaded with ballast, it is important that it is handled the correct way to prevent lifting accidents.

1. Use a fork lift truck, or equivalent vehicle, place the forks underneath the BOTTOM FRAME base with the forks in a horizontal position and as wide as possible, see Figure 32. Lift the unit slowly and make sure that no part on the LOADING SYSTEM MkII might be stuck, and thereby preventing it from being lifted smoothly.

NOTE

A fully loaded LOADING SYSTEM MkII weighs approximately 3500 kg, it is important that a lifting device with that capacity exceeding that value is used.

2. When the unit is lifted high enough that the FEET no longer touch the ground, adjust them to their fully inserted position to prevent damage during movement
3. Make sure the unit is lifted high enough to pass any obstacle in the planned way of transportation and move it to new location. Lower the unit almost the whole way to the ground and keep the BOTTOM FRAME supported by the forks until necessary adjustments of FEET are made. When LOADING SYSTEM MkII is level, remove vehicle and execute the safety check over again.

NOTE

A complete LOADING SYSTEM MkII unit should not under any circumstances be lifted with a crane and/or slings!

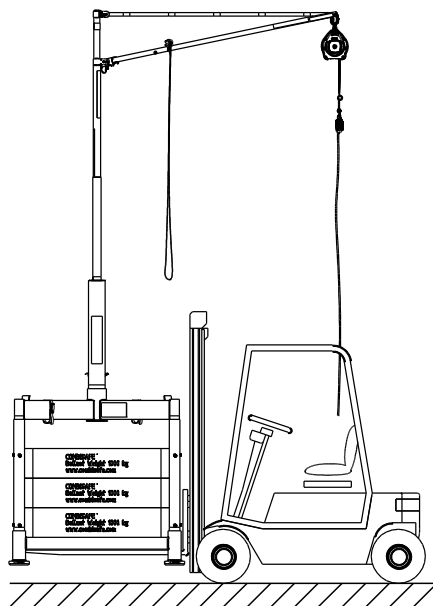


Figure 32. *Lifting the whole unit for transportation.*

Storage

Loading System MkII Base

The Loading System MkII is designed to ease storage when not in use. Since the units can be packed flat, it is easy to store them in a pile. To make sure the LOADING SYSTEM MkII is packed the correct way after usage, please place the parts as in Figure 33 below. Make sure that the FEET are fully inserted and that TOP FRAME is resting on the bottom plates in the BOTTOM FRAME POSTS.

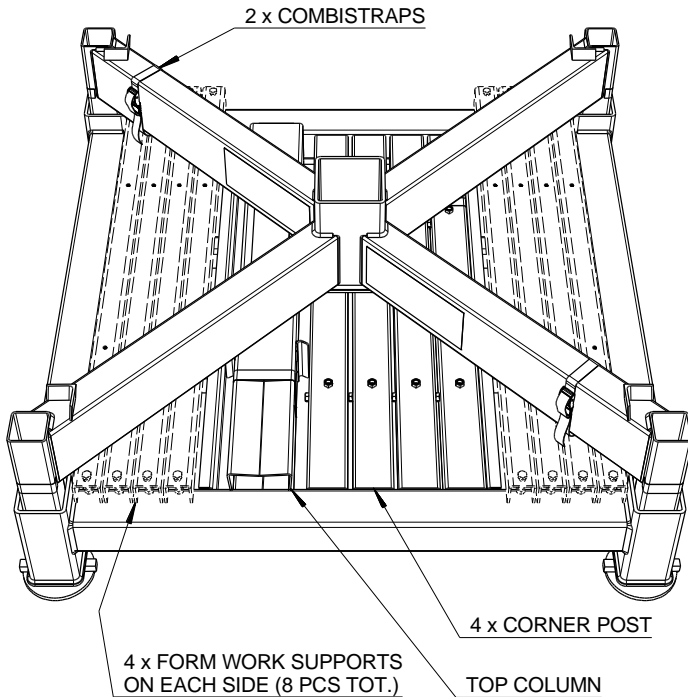


Figure 33. *LOADING SYSTEM MkII BASE in packed mode.*

A total amount of 6 flat packed units can be stacked together in one stack. On each TOP FRAME there are located four guide plates to guide the next unit into position.

The flat packed version of the Loading System MkII must always be lifted with a fork lift truck, or equivalent vehicle, and the forks always be placed underneath the horizontal chords of the BOTTOM FRAME, see Figure 34 for illustration. Remember to only lift one unit at a time.

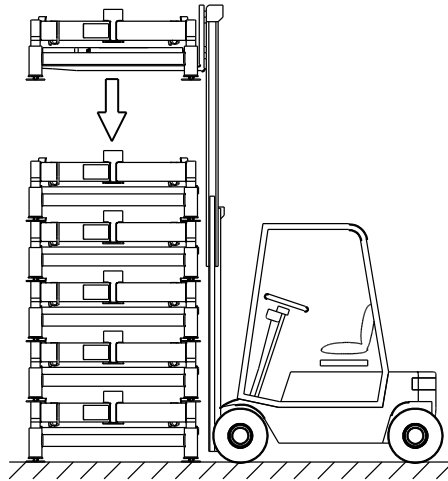


Figure 34. *Placement of the 6:th packed Loading System MkII with a fork lift truck.*

SkyReach Anchor

As already shown in the *Assembly* chapter, the SkyReach Anchor can be folded together to ease packing and transportation.

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

Maintenance

Check list prior to usage

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:

Loading System MkII base unit:

- Inspect that there is no weld damage or deformation to any part of the system.
- Check that no corrosion that can affect the strength of the system has occurred.
- Make sure the FEET are fully adjustable.
- Make sure the base unit is level.
- Ensure there's no loose parts e.g. gravel, dirt, concrete etc in any sleeves or tubes where another part shall be inserted.
- Make sure that the threads on the welding nuts on the CORNER POSTS are free from dirt or other that can prevent correct fastening of the bolt. If not using the FORMWORK SUPPORTS short M12 bolts can be placed in the nuts to protect the threads.
- Check there is no damage to the PRECAST KENTLEDGE concrete blocks, if used.
- Check that all items with the insertion marking label on, are readable and are inserted the correct length.
- Inspect legibility of the product marking.

SkyReach Anchor:

- Inspect there are no weld damages or deformation to any part of the product.
- Check that no corrosion that can affect the strength of the product has occurred.
- Check that there are no damages to the LIFTING EYE nor to the welds attached to the EYE.
- Make sure that all bolts are tightened securely.
- Ensure that the Lock Pin is connected to the wire attached to the lower HOLDER BRACKET, it is fitted correctly in place, and that it is not damaged or deformed.
- Inspect legibility of the product marking.
- Check that the HOOK at the end of the brace is not damaged, and that it can be smoothly placed into the lower HOLDER BRACKET on MAST when mounting.
- Make sure that the Falcon Fall Arrest Block or lanyard is completely secured to the Anchor Point.
- Check that SkyReach Anchor is fully engaged into the Loading System MkII unit and is free to rotate.
- Make sure there are no damages to the Endless Webbing Sling.

PFP-Equipment

- 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.

Recommended operating method

20 ft long trailer (6 m)

For unloading a 20 ft flatbed truck, a Single Unit is required (Art. 8806), which consists one Loading System MkII Base, one SkyReach Anchor, one 6,2 m Falcon fall arrest block and certified PFPE, please see Figure 3 in the beginning of this document for visual clarification of the parts. If needed, the SkyReach Loading System Adaptor (Art. 8801) can be ordered separately.

The trailer must be positioned centrally to the BASE within the zone, as shown in Figure 35 below.

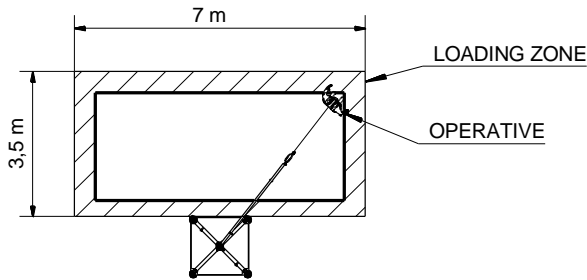


Figure 35. Working area illustration for a 20 ft flatbed truck.

Any operative unloading a 20 ft flatbed trailer should be wearing:

- appropriate footwear,
- reflective vest and helmet with chin strap,
- full body harness
- extra webbing 0.3 m for extended back anchorage.

Once an operative is wearing the correct harness they can then attach the extra 0.3 m webbing to the harness by looping it through itself, and then attach the other end of the extra 0.3 m webbing to the retractable fall arrest block, using a Karabiner fixing.

NOTE

The retractable fall arrest block should consist of a 6.2 m inertia reel.

The operative must be connected to the system before accessing the flatbed.

40 ft long trailer (12 m)

As can be seen from Figure 36 below a Double Unit is required (Art. 8810), when loading and unloading a 40 ft flatbed truck. A Double Unit consists two Loading System MkII Base units, two SkyReach Anchor units, two 10 m Falcon fall arrest blocks and certified PFPE, please see Figure 3 in the beginning of this document for visual clarification of the parts. If needed, the SkyReach Loading System Adaptor (Art. 8801) can be ordered separately.

The operative must be connected to both the Loading System MkII's at the same time by connecting both the fall arrest block lifelines to the full body harness. If access to the extreme outside corners of the flatbed is required it is recommended that the trailer is moved to accommodate safe access within the 3.5 m working radius of the frame.

The trailer must be positioned centrally between the BASES within the zone, as shown in Figure 36 below:

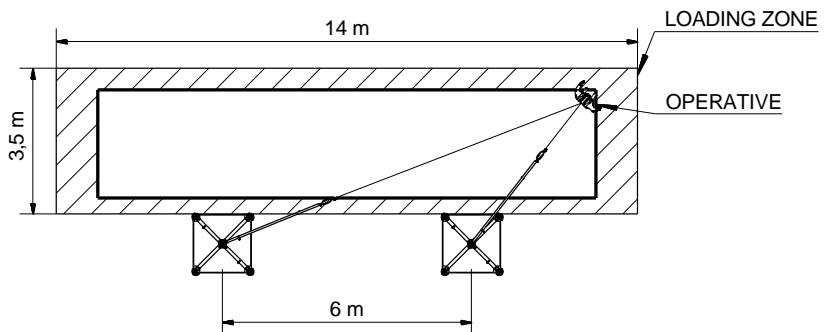


Figure 36. Working area illustration for a 40 ft flatbed truck.

Any operative unloading a 40 ft flatbed trailer should be wearing:

- appropriate footwear,
- reflective vest and helmet with chin strap,
- full body harness
- extra webbing 0.3 m for extended back anchorage.

Once an operative is wearing the correct harness they can then attach the extra 0.3 m webbing to the harness by looping it through itself, and then attach the other end of the extra 0.3 m webbing to the retractable fall arrest blocks from each system, using a Karabiner fixing.

NOTE

The retractable fall arrest block should consist of a 10 m inertia reel to allow the operative to move freely to the far extents of the trailer.

The operative must be connected to both systems before accessing the flatbed.

Make sure that the lifelines from each retractable block doesn't cross, they should at all times run smoothly in their own reel.



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