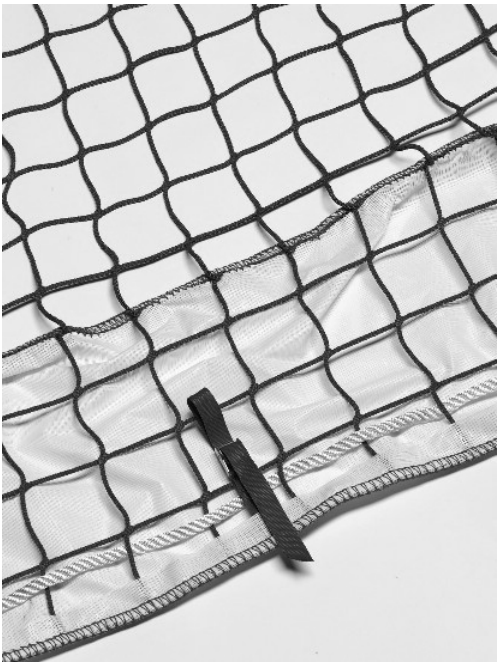
COMBISAFE®

Edge Protection Soft Net

3010



USER INSTRUCTION

Contents

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Subject to changes.

NOTE!
Always read the instruction manual before use.
Combisafe accepts no liability for items that have been altered.

GENERAL INFORMATION

The Safety Net 3010 is a 1,5x10m net that can be attached to any edge protection, free standing or for example scaffold. It can be attached to any type of rails, wooden or tubes. For EN 13374 classed B and C this might need to be checked, contact Combisafe if any uncertainty.
The Safety Net 3010 complies to EN13374 Class A, B, C and EN1263-1 System U.

SAFETY INSTRUCTIONS

Always check products and equipment before use
Check all components of the Safety Net before assembly. Never use damaged materials as this can affect safety.

Do not combine products
It is not recommended to install, combine or interconnect COMBISAFE Safety Nets using products other than those supplied by COMBISAFE. Combisafe product liability only applies to combinations with correctly fitted, COMBISAFE products.

Always use personal fall arrest equipment
Personal fall arrest equipment must always be worn during assembly and dismantling when a risk of falling exists. This also applies to work carried out from a MEWP (mobile elevating working platform).

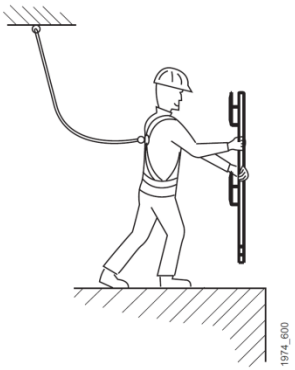

Figure 1. Personal fall arrest equipment

Inspection after a fall

If a guard rail is subject to an accident or exposed to a heavy load, the Safety Net must be checked by a competent person. Contact Combisafe in the event of uncertainty.

Wind, ice and snow

If the density of the guard rail is increased, for example, by using scaffold sheeting or plywood, the wind load at the given wind strength will increase.
Never cover the guard rail without checking that the permitted wind load has not been exceeded.
The Safety Net is not designed for exposure to static or dynamic loads resulting from ice and snow.
Always keep the Safety Net free from ice and snow.

Remember

- Plan the fall guard at an early stage, this will benefit everyone.
- Only use inspected safety products.
- Cordon off below and around the assembly area in connection with the installation so that unauthorized personnel are not injured if, for example, you should drop tools or material.
- Keep the installation area in order.
- A safe workplace is an agreeable workplace.
- Many fall accidents occur from a low height.

TECHNICAL DATA

General dimensions and weight

3010 Safety Net

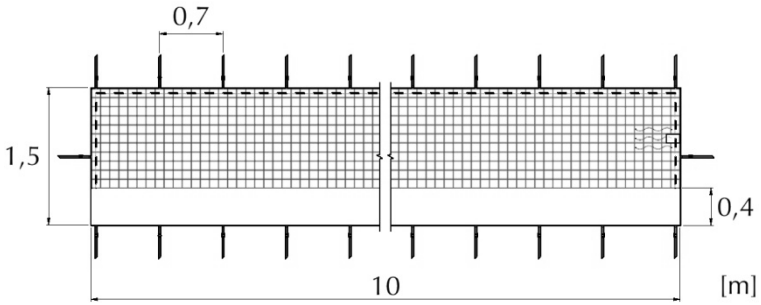

Figure 2. Safety Net 1,5x10m

Product number	Weight
3010	8,7 kg

The mesh size is 100x100 mm.

100335 Combistrap

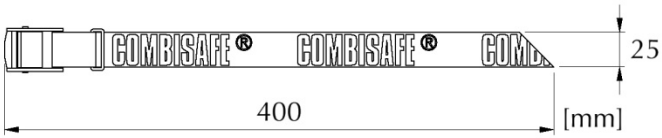

Figure 3. Combistrap

Product number	Weight
100335	0,06 kg

DESIGN AND FUNCTION

Product features

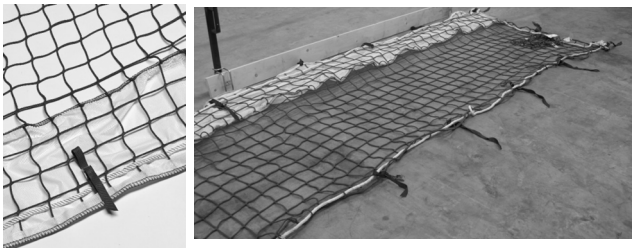

Figure 4. Border cord and integrated straps

A border cord is running all around the edges and every 0,7 m there is a fixed strap, sewed to the net.

The Safety Net 3010 also contains:

- A marking label showing what type of net and code it is.
- 3 test cords for testing aging.
- If tested, the net also have test information labels showing status and when it needs to be tested again.

Figure 5. Marking/age testing labels and test cords

Design wind load

The design wind load on the net according to EN 13374 is 932 N/m (if the complete height of the net is used).

Compliance to EN 13374

Sloped surfaces and dynamic loads

The actual net itself complies to all classes and is tested like this for EN13374 and EN1263-1, but the system with fixings complies only to class A if the net is used as it is.
If the net is used on sloped areas over 10 degrees additional fixing needs to be done according to following :

Class B

From 10 to 25 degrees
The bottom of the net shall be fixed extra with one Combistrap (100335) between every strap that sits on the net.

Class C

From 25 to 60 degrees
The total perimeter of the net shall be fixed extra with one Combistrap (100335) between every strap that sits on the net.

INSTALLATION

Installation of Safety Net on edge protection

NOTE!
Additional straps needs to be used for class B and C and 100335 Combistrap is then used, see “Compliance to EN 13374”.

Start with placing the net in front of the edge protection with the toe board towards the edge protection facing downward.

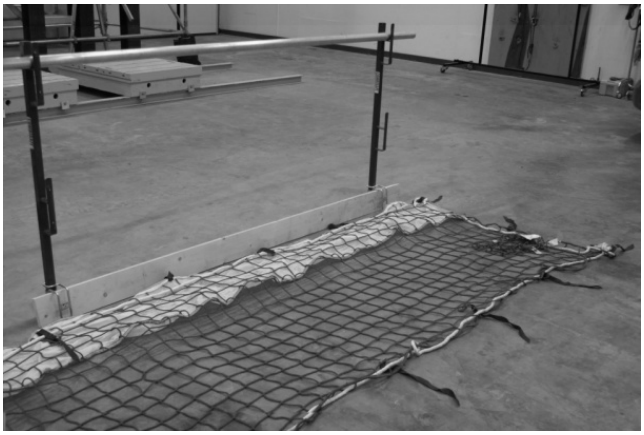

Figure 6. Place the net in front of the edge protection

Fix the bottom of the net with the straps by putting the strap under the toe board and the other side around the border cord and the toe board. Tighten the strap.

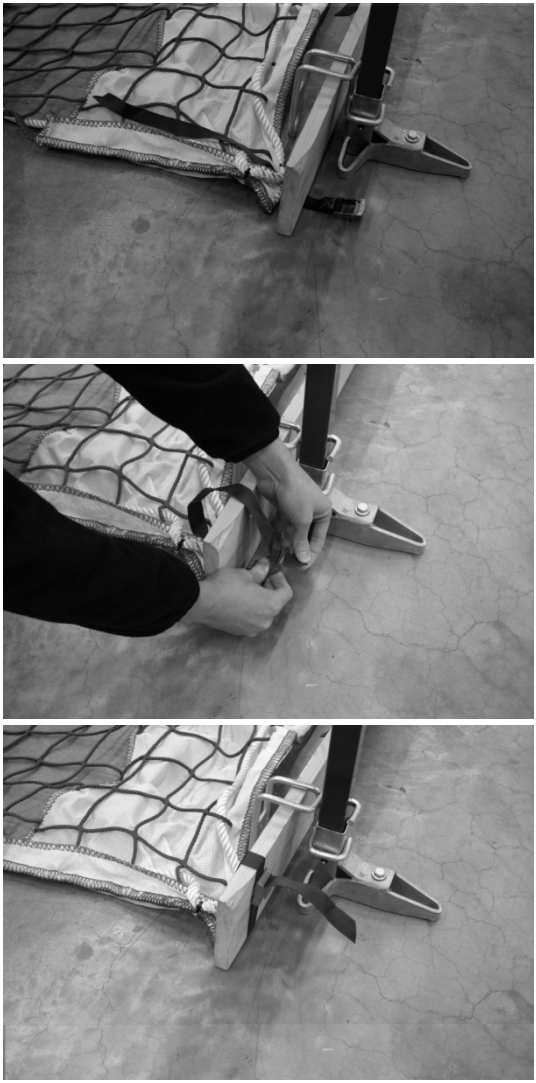

Figure 7. Fitting bottom of the net to the toe board

Repeat this for all straps at the bottom and fix them around the border cord and the toe board.

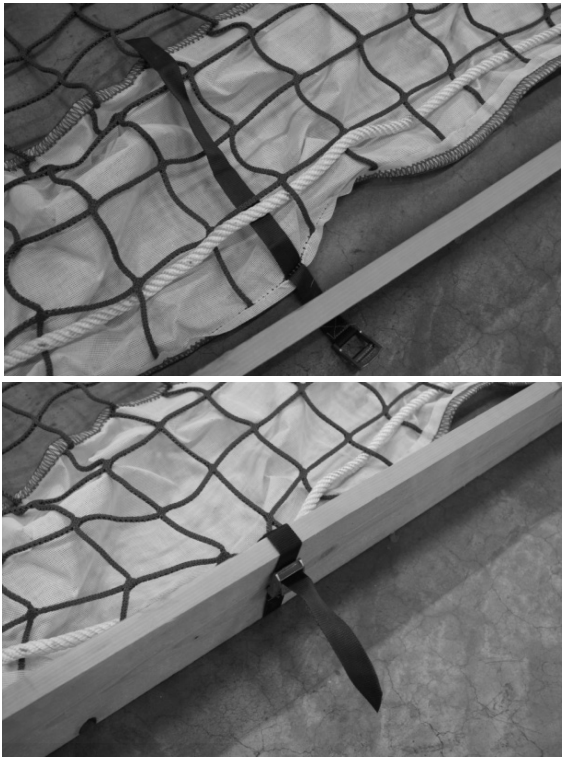

Figure 8. Continuing fixating bottom of the net

Take the top of the net up to the top rail and place the strap over the rail. The other end of the strap shall go around the border cord, and the net shall be lifted up so it is tensioned between the top rail and the toe board. Pass the strap through a suitable mesh so the net is tensioned. All “extra net” is collected and fixed inside the strap

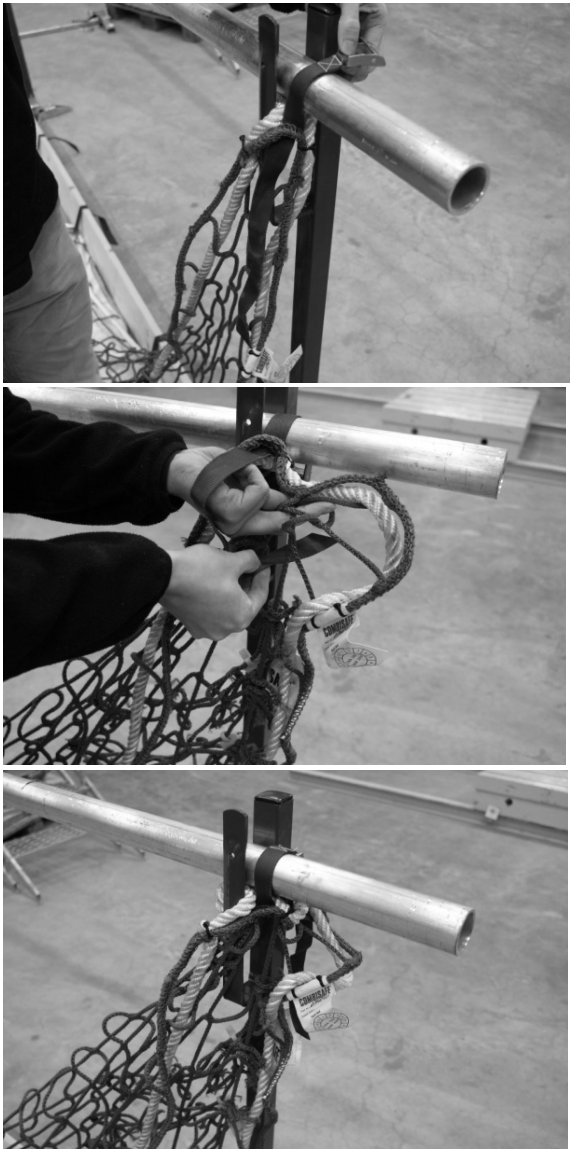

Figure 9. Fixing the upper net corner to the top rail

The middle strap in the end of the net is preferably fixed around the border cord and the post. This might not be wanted if the top rail and the toe board has an overhang, and the strap can then be left, or fixed to any other structure, building etc.

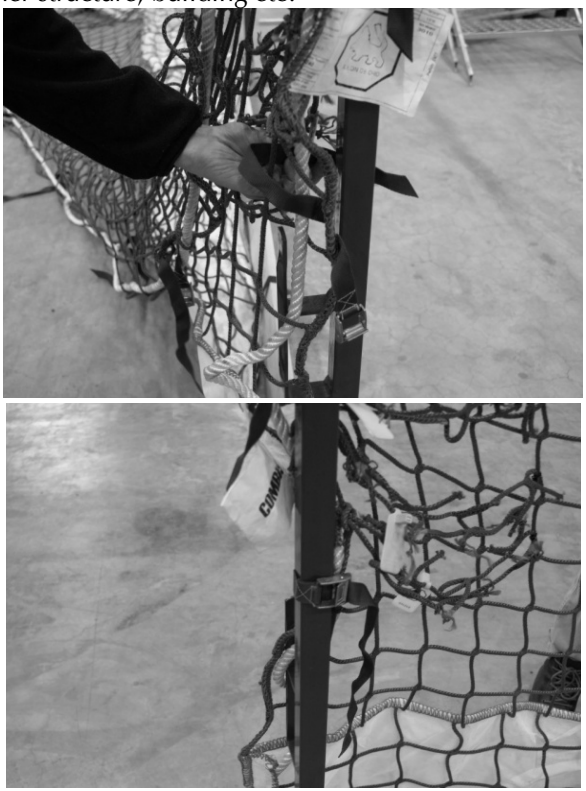

Figure 10. Fixing the side of the net to a post

Continue fixing the top straps around the border cord and the top rail, and collect as many meshes as needed to tension the net. Make sure not to tension the net to much so the toe board lifts from the ground.

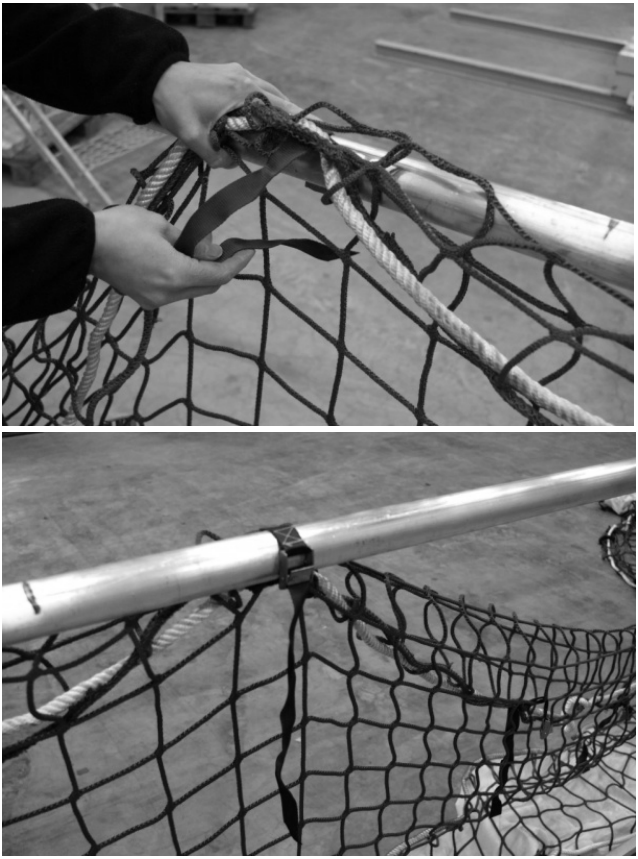

Figure 11. Continuing fixating top of the net

When passing by a post the border cord and net can be placed in the guard rail holder, remember to tension.

Figure 11. Net placed in the guard rail holder

Check that the net is properly fastened, tensioned and that there are no gaps bigger than 100 mm, or maximum 25 mm under the toe board.

Figure 12. Net fully assembled

Connecting nets

When two nets meet on a post, both nets are simply connected to the posts.
When a net ends between two posts the nets needs to be connected.

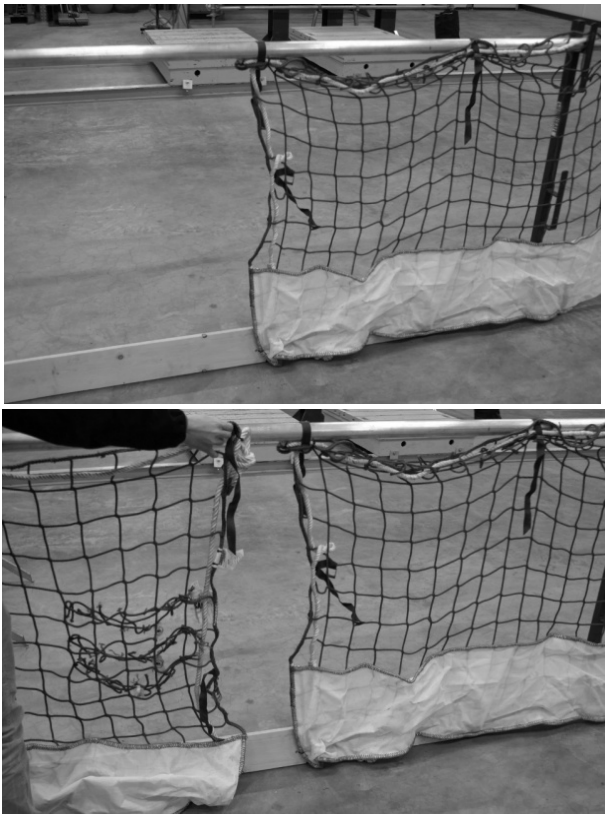

Figure 13. Net ending between two posts

Place the strap under the toe board, but when going around the border cord and the toe board, make sure to

also pass the strap through the other net, and by doing this overlapping the nets so no gaps appear.

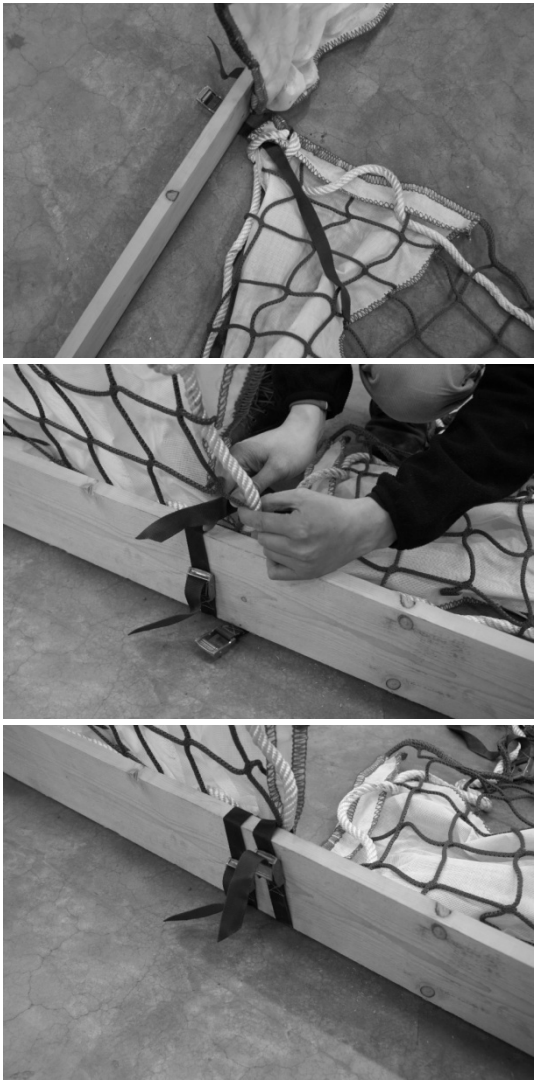

Figure 14. Interconnecting nets around the toe board

Repeat the same procedure with the top straps by going around the border cord, through the other net and around the top rail. Remember to tension the net.

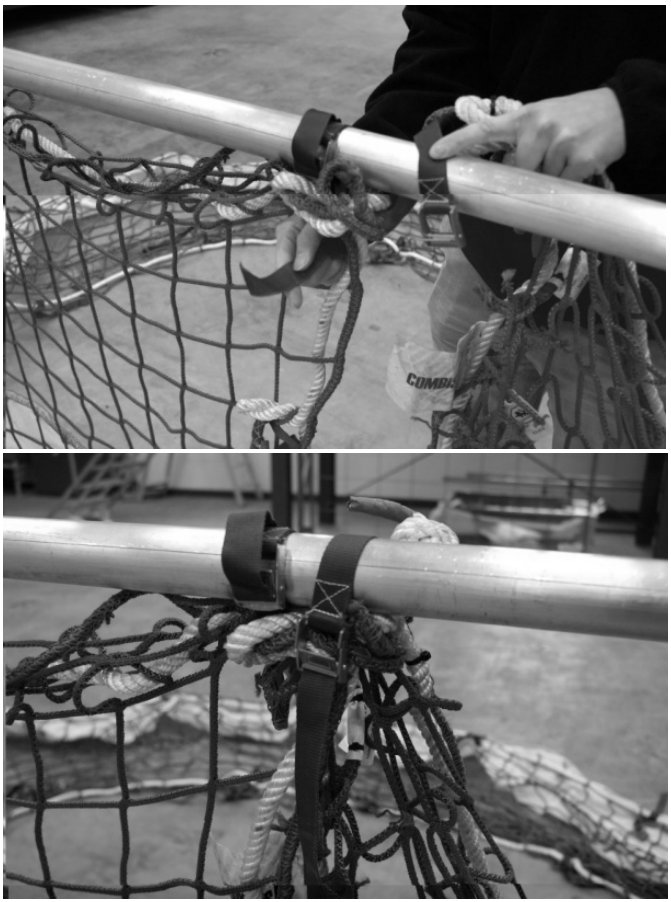

Figure 15. Interconnecting nets around top guardrail

Connect both nets to each other a couple of meshes in so the nets overlap each other.

Figure 16. Interconnecting rest of vertical net sides

Inspect the connections so they are properly fixed and there are no gaps bigger than 100 mm or 25 mm in the toe board.

Figure 17. Two interconnected nets

MAINTENANCE

Safety checks

Before every use :

- Always check the Safety Nets for any signs of damage or visible deformation.
- Do not use Safety Nets that do not pass checks according to the following check list :

  Check list
  - Aging/Wear.
  - No damage to mesh cords.
  - No damage to border ropes.
  - Visible Combisafe labeling and ID number.
  - Existing test cords
  - Evidence of approval to the EN-standard.

Tested and approved Safety Nets must have an additional label confirming the status of the net.
If no test meshes remains, the net can be used one year after the date written on the last test tag given that no other damage exists.
If in doubt, consult Combisafe.

Annual inspection

The Safety Net test cord must be tested annually. The test cord can be sent to Combisafe or another accredited testing institute.

Scrapping

When the Safety Nets have failed their safety inspection, they can be recycled as polypropylene and their border cords as nylon.

Storage

Store the Safety Nets in a dry and well ventilated place, protected from the weather and from chemical substances.

Repairs

Contact Combisafe for further information.