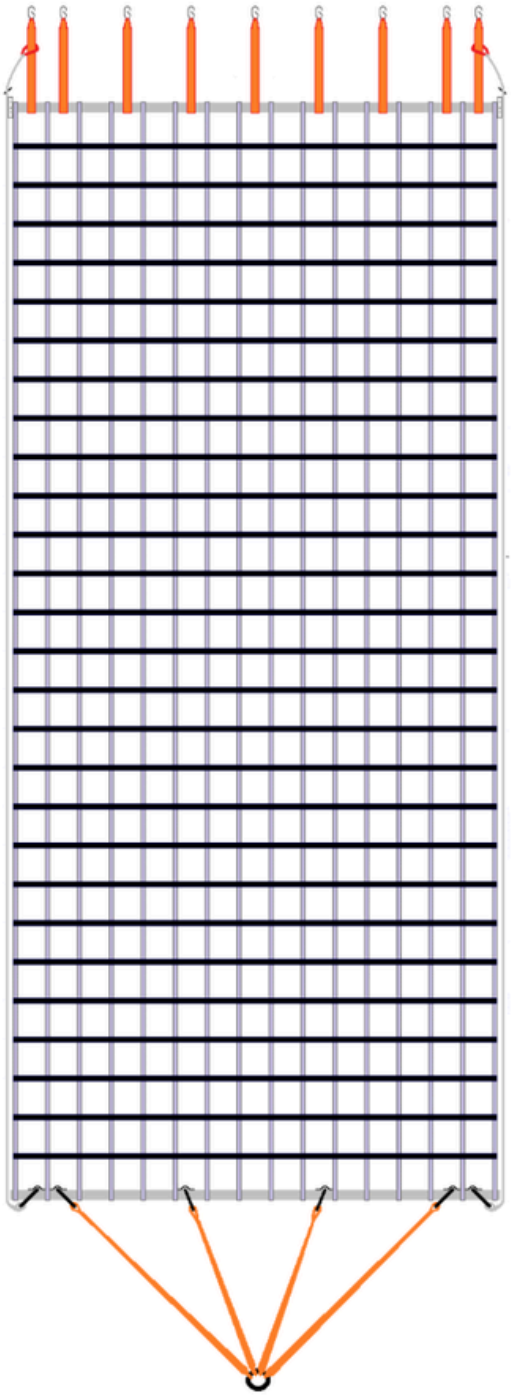
Markus Rescue Scoop / Scramble Net SCN15-700S

Info Sheet - Technical Details

Document No: SCN15-700-SCOOP
Revision: 2026.2

Specification of the net structure:

Width (Along ship side): 3 m
Vertical length: 7 m
Weight: 65 kg
Number of vertical legs: 16
Rescue Reach: 2-4 m
Size packed: 320 cm x 25 cm x 25 cm



Material Specifications:

- Net structure: Double Polyester Webbing
- Horizontal webbing core: SS wire
- Fittings: Stainless steel
- Lower end pipe: Aluminum pipe with aluminum axel core. 13 kg
- Upper end pipe: Aluminum pipe with aluminum axel core. 13 kg
- Control ropes: Polypropylene (Danline) type 24 mm
- Upper end pipe with distance triangles of PE to hold the upper end 10 cm from the side when used as a scramble-net.
- PVC/Nylon cover bag in orange closed with plastic coated SS wire through webbing loops, for quick release of the unit.
- Fastening: 9 straps width 5 cm, length 55 cm fastened to deck or inside strong bulwark each with screw locked stainless steel snap hook.
- Hoisting strap: 4 point hoisting straps of polyester webbing attached to lower end pipe with 12 mm diameter SS hoisting ring

Strength:

- Each vertical webbing tensile tested in excess of **2,400 kg. (5,291 lb.)**
- Each mesh tensile tested in excess of **500 kg (1,102 lb.)**
- Total Minimum Breaking Strength: **41,952 kg**
- Total Working Load Limit: **6,992 kg**

Rescue zone Requirements:

- Deck space at bulwark or rail: 3.5 m x 1 m
- Height (freeboard + bulwark) from water: maximum 2.5 to 3.5 m

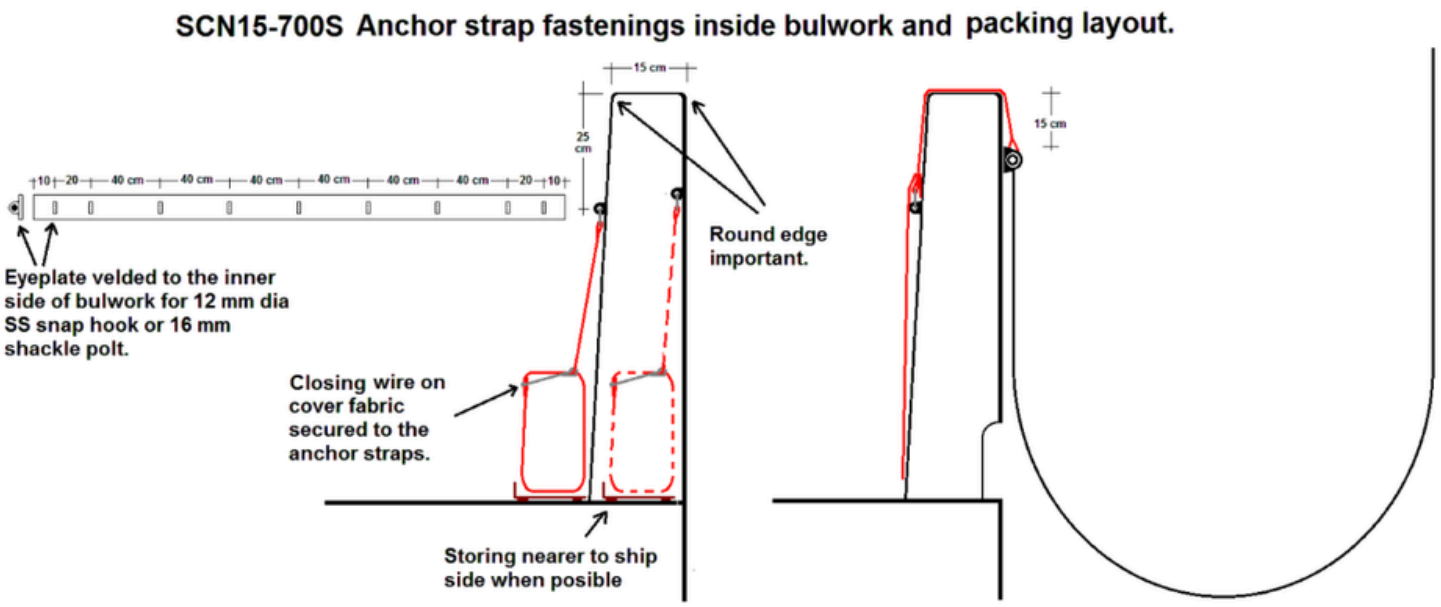
Crane Requirements:

- Utility Vessel Model:
  - Outreach about 4 m (in the forward half of the installation zone)
  - Lifting height 5-8 m (above upper end pipe when unit is in function, and in the middle of the installation zone)
  - Capacity as climbing device
    - 26 persons as a climbing device
    - 2 persons as a scroop
  - 500 kg (dynamic)
  - Winch speed 60-120m/min
  - Topping speed 30s

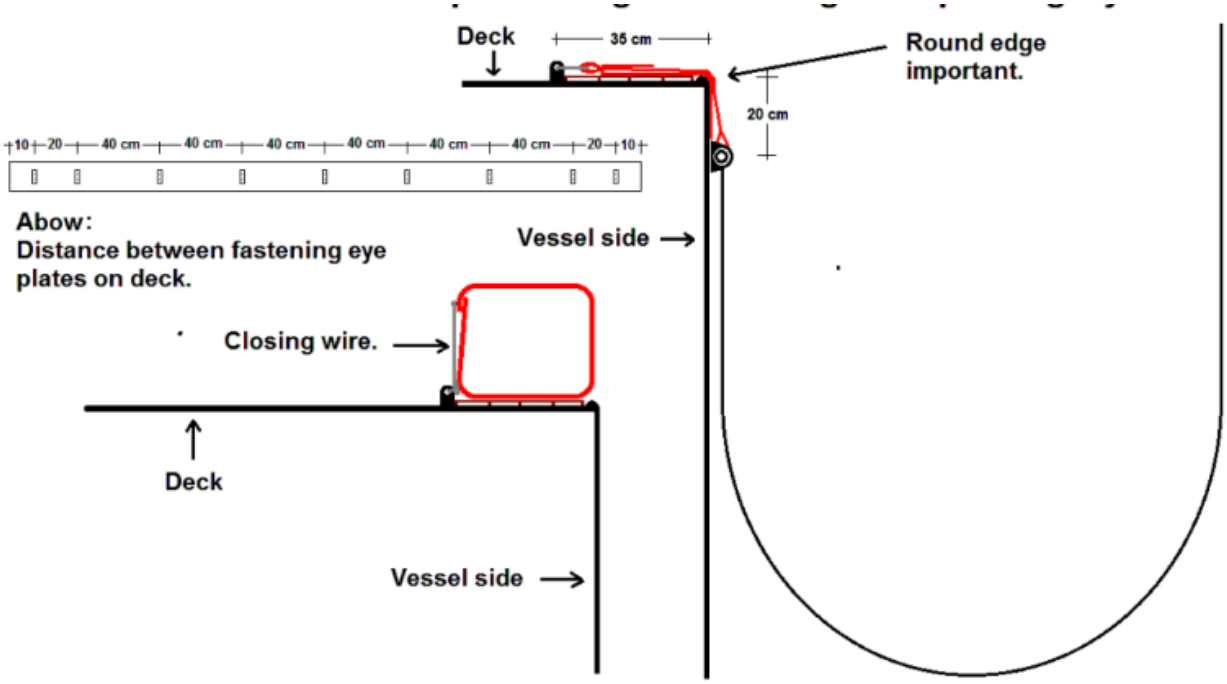
Documentation:

- Built to quality standard ISO 9001-2015 and ISO 19898-2019 for Means of recovery of persons from the water.
- Supplied with Certificate of conformity.

SCN15-700S Anchor strap fastenings inside bulwark and packing layout



SCN15-700S Anchor strap fastening on deck edge and packing layout.



Markus Rescue Scoop / Scramble Net SCN15-700S

Info Sheet - Technical Details

Installation and repacking:

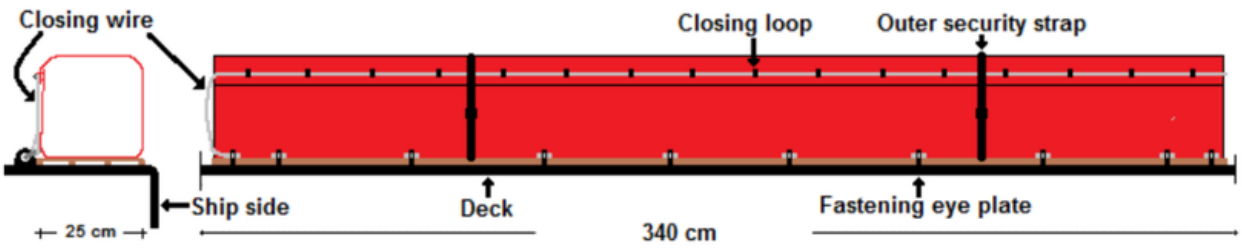
1. Make sure there are no sharp edges which may damage the unit when stored and when in use.
2. Place unit on deck where the unit is to be stored with closing wire facing into the vessel.
3. Release the security strap buckles.
4. Open the cover by pulling the closing wire out of the closing loops.
5. Release the inner straps.
6. Hook the hoisting ring onto crane hook and hoist the lower end upward and hold to the anchor straps.
7. When convenient, hook the anchor strap snap hooks to the fastening eye plates inside the bulwark or on the deck floor. Make sure that the anchor straps at the ends are thread through the upper end loops of the pull-in lines.
8. Stretch out the cover fabric and lower the net onto it having equal length of the cover fabric ends outstanding and in such a way that it takes as little space as possible.
9. Place pull-in ropes on top zic zac each around 1,5 m (to the midle of unit).
10. Lay anchor straps on top.
11. Thread the closing loops through the eyelets and the closing wire through the closing loops. Inner straps may be used to hold the unit tight while doing this.
12. Buckle and stretch the security straps on cover.

Deploying and use as rescue scoop

1. Release the security strap on cover.
2. Pull closing wire out of closing loops.
3. Release inner straps if buckled.
4. Hook hoisting ring onto crane hook.
5. Pull unit uppwards with the crane until the upper end pipe is in place to be pulled over the side.
6. Lover net over the side until it forms a scoop. Hold control with the pull in lines.
7. Just before the target is reached lower the unit into the sea ready to pulled under the target and roll it onboard by hoisting the outer end with the crane.

Use as evacuation unit or standby mass rescue unit

Follow deployment items 1-3 here above. Then throw hoisting ring and lower end pipe over the side and allow the unit to run out. Make sure the cover is not in the way and the distance triangles are holding the upper end correct 10 cm from the side.



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