

The Markus Rescue Scramble Net is designed for vessels with lifting heights ranging from 2.5 m (8.2') to 10 m (32.8'), and requires a suitable midship rescue zone. A light crane system with a 2 m boom at the rescue zone can be beneficial, providing additional support for rescue swimmer operations and ensuring a secure and effective recovery of an unconscious person.

Width: 2.4 m (7.87')

Vertical length: Variable.

Weight: Variable.

Lifting height: Variable.

Important: Add 2 m (6.56') below the waterline to enable MOBs first step.

Methods of use:

1. Climbing, by max 16 persons at a time,
2. Manual horizontal (parbuckle) lifting by 4 deck crew,
3. Useable with suitable mechanical hoisting system and short boom.

Other Specifications:

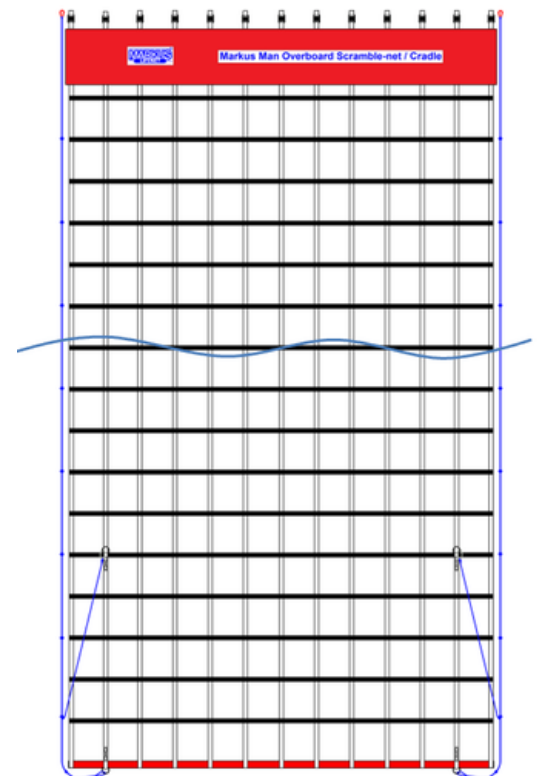
- Stowage diameter: 250 x 45 x 10 cm (100 x 18 x 6 Inches)
- Weights from 18.3 kg to 30 kg (40.3 lbs to 66.2 lbs)
- Packing: PVC / Polyester fabric bag. Color: Orange Red. White, gray and black available as special order.
- Made of Polyester webbing, and marine grade rigid plastic and metal parts.
- Comes standard with two pull-in ropes: PP 10 mm dia. with knots at 50 cm intervals

Strength:

- Tensile strength
 - Each mesh tested in excess of **600 kg**
 - Each vertical webbing tested in excess of **1,070 kg**
 - Total tensile strength of SCN12 tested in excess of **13,913.25 kg** with equal load on each vertical fastening webbing loop on the upper end
 - Each lifting line knotted in excess of **770 kg**
- SWL
 - Each mesh is **113 kg**
 - Total SWL of SCN12 is **2,314 kg** with equal load on each vertical fastening webbing loop on the upper end
 - Each lifting line knotted in excess of **129 kg**

Documentation:

- Made to LSA / SOLAS standard as applicable. Subject to SOLAS-type approval.
- Supplied with Certificate of conformity.



SCN12 Upper end "A" Aluminium Bar version.



SCN12 Upper end "L" Link-pipe version.



Storage and fastening options:

- All nets include 13 buckle loops for storage on the boat's rescue platform.
- Mobile Option One (Default): Fixed on an extra link pipe with four extension ropes and snap hooks.
- Mobile Option Two: Fixed onto rail or fastening eyes with four fixed extension ropes and snap hooks.
- Mobile Option Three: Stored indoors, laid flat and uncovered on a shelf, ready for use and deployment according to the methods above. This storage method minimizes repair needs.
- Alternative Option: Fixed outdoor, inside GRP storage container to a rail or inside bulwark. This is recommended when in the unit is over 15-20 kg

Available SCN12 extra design and extra parts:

Product no. 7300005 - SCN SS hook for 30 mm diam. Pipe (deck and storage hook)

Product no. 7380002 - SCN12 Link pipe with 4 extension ropes, each with snap hook.

Product no. 7380032 - SCN12 Storage box made of GRP for indoor and outdoor storage.

Product no. 7380033 - SCN12 PCV outdoor storage box cover.

Product no. 7380035 - SCN12 with aluminum upper bar (does not include buckle loops and PVC cover bag)

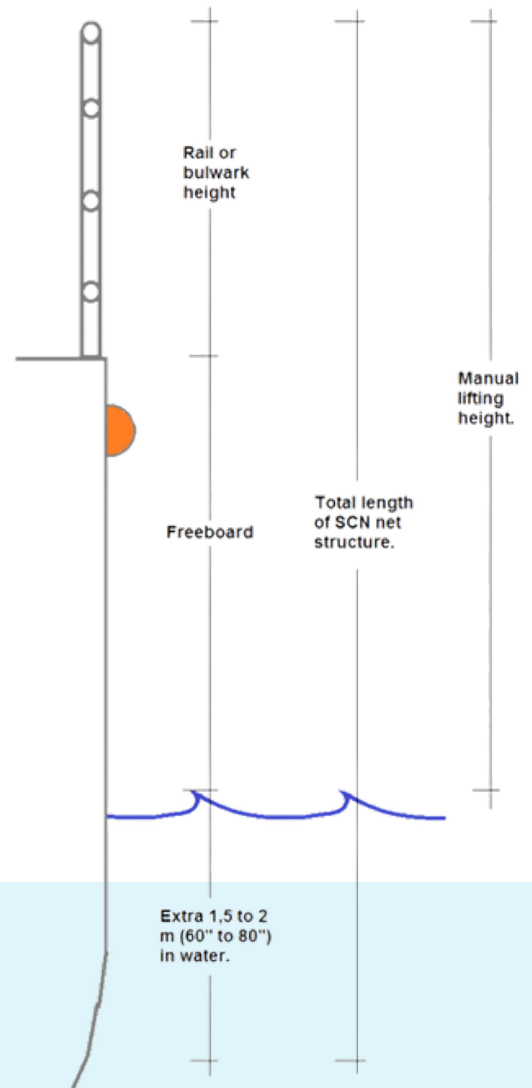
Model Name	Vertical Length in cm (ft)	Suitable for Fixing Length Below	Approximate Weight in kg (lbs)	Number of persons fit for climbing
SCN12-450	450 (14.7)	2.5 m – 3 m	18.3 (40.3)	8
SCN12-500	500 (16.4)	3 m – 3.5 m	19.1 (42)	8
SCN12-550	550 (18)	3.5 m – 4 m	19.8 (43.7)	8
SCN12-600	600 (19.6)	4 m – 4.5 m	20.6 (45.5)	12
SCN12-650	650 (21.3)	4.5 m – 5 m	21.4 (47.2)	12
SCN12-700	700 (22.9)	5 m – 5.5 m	22.2 (48.9)	12
SCN12-750	750 (24.6)	5.5 m – 6 m	23 (50.7)	12
SCN12-800	800 (26.2)	6 m – 6.5 m	23.8 (52.4)	16
SCN12-850	850 (27.8)	6.5 m – 7 m	24.6 (55.9)	16
SCN12-900	900 (29.5)	7 m – 7.5 m	25.4 (55.9)	16
SCN12-950	950 (31.2)	7.5 m – 8 m	26.1 (57.6)	16

Model Name	Vertical Length in cm (ft)	Suitable for Fixing Length Below	Approximate Weight in kg (lbs)	Number of persons fit for climbing
SCN12-1000	1000 (32.8)	8 m – 8.5 m	26.9 (59.3)	16
SCN12-1050	1050 (34.4)	8.5 m – 9 m	27.6 (60.8)	16
SCN12-1100	1100 (36)	9 m – 9.5 m	28.4 (62.6)	16
SCN12-1150	1150 (37.8)	9.5 m – 10 m	29.2 (64.4)	16
SCN12-1200	1200 (39.4)	10 m – 10.5 m	30 (66.1)	16

Properly Sizing your Net:

Properly sizing your rescue net is crucial for safe and effective vertical climbing and horizontal lifting during an emergency.

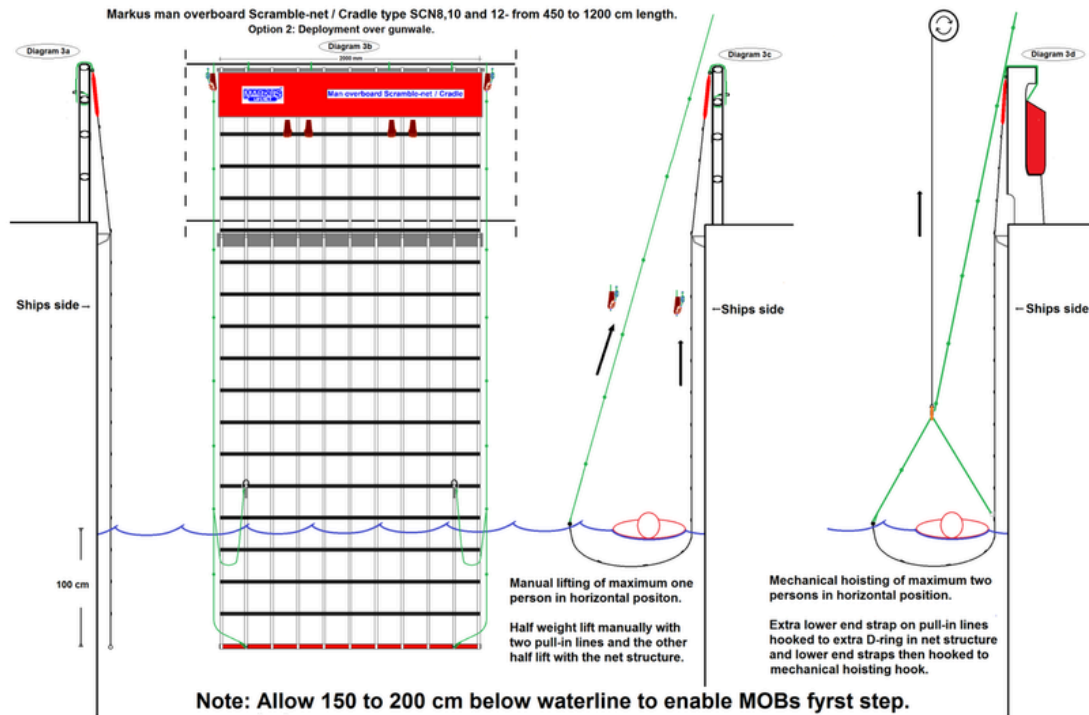
- **Vertical Length:** Measure the distance from the fastening point (e.g., deck or railing) down to the waterline, then add 1.5 to 2 meters.
 - Important: This ensures the net extends below the waterline by the recommended amount, allowing an MOB to place their foot securely on the lowest rung and climb to safety.
- **Width:** Select a minimum width of 1.2 meters (4 feet) to provide full spinal support when lifting a person horizontally.
 - Important: This width is crucial for safe and effective rescue operations.



[Click Here for Our Net Sizing & Model Guidance](#)

Possibilities and variations in use:

Markus Rescue Scramble Net SCN 12 with vertical length over 4 m (13')

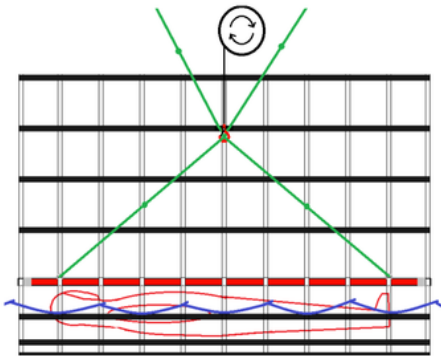


Manual Recovery of an conscious and active MOB

Throw or shoot out line to MOB. Other crew members bring a mobile unit to the rescue platform and fasten to fastening eyes inside bulwark or to a rail. Release unit over the side. Pull the MOB to the unit and as the MOB has managed to step onto the net structure and secure his hands to it, lift him simultaneously on board.

Manual Recovery of an Unconscious MOB in a Horizontal Position

Lower net into water, securing the snap hook on pull-in line to the extra D-Ring on fifth step. The vessel can then drift toward the MOB or a rescue swimmer can guide the MOB to the net. Once positioned, the rescue swimmer places the casualty inside the stretcher at the lower, while the crew lifts the pull-in lines evenly to raise one person at a time.



Hoisting an Unconscious MOB and Rescue Swimmer using a 3 m crane boom

Attach the light hoisting hook from the crane boom to the straps at the lower end of the pull-in lines and lower the net into the water. The rescue swimmer, secured to a tender line controlled by the deck crew, swims to the MOB. Once the rescue swimmer has a secure grip on the MOB, both are guided into the cradle, formed by lifting the lower end of the net. Both are then hoisted onboard together.