Markus Emergency Ladder SCN4-150 to 1200

Info Sheet - Technical Details

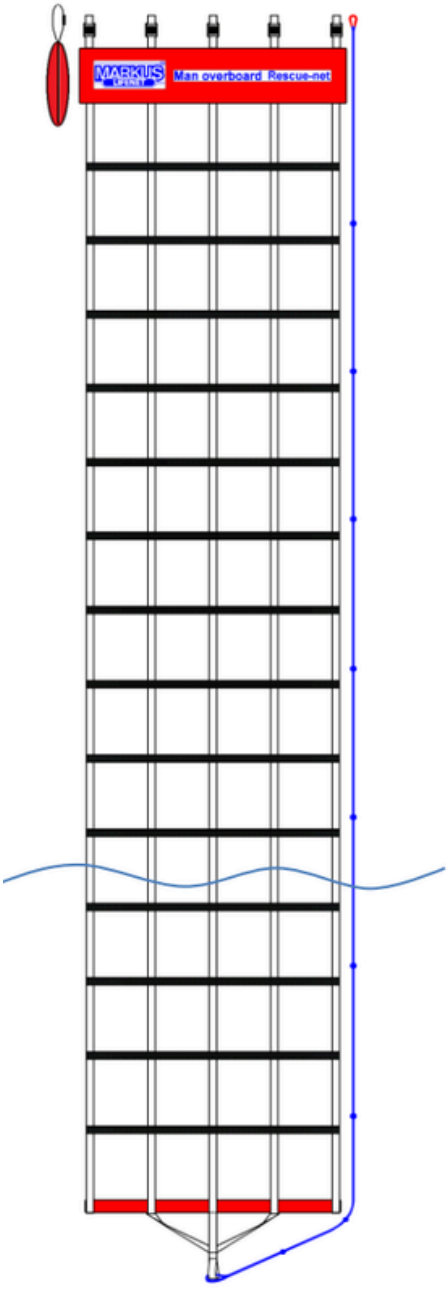
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The **Markus Emergency ladder Type SCN4** is a compact four-mesh wide scramble ladder designed for vessels of all types as an additional man-overboard recovery aid.

It enables a person in the water, or a rescue swimmer entering the water, to climb safely back onboard.

Width: 80cm
Vertical length: Variable; Vertical length tailor made to customer needs.
Weight: Variable.

Important: Add 1.5 m to 2 m below the waterline to enable MOBs' first step.



Methods of use:

1. Climbing (see fit for number of persons per unit on page 2 and 3)
2. Manual lifting of one person at a time in a standing position by two deck crew

Other Specifications:

- Stowage diameter: 85 x 25 x 5 cm (34 x 10 x4 inches)
- Storage cover standard Color: Orange Red PVC/Polyester fabric. White, gray, and black are available as special orders.
- Made of Polyester webbing and marine grade rigid plastic and metal parts.
- Comes standard with one knotted pull-in line attached to lower end pip

Strength:

- Tensile strength
  - Each mesh tested in excess of **600 kg**
  - Each vertical webbing tested in excess of **1070 kg**
  - Total tensile strength of SCN4 tested in excess of **5300 kg** with equal load on each vertical fastening webbing loop on the upper end.
  - Lifting line knotted in excess of **770 kg**
- SWL
  - Each mesh is **113 kg**
  - Total SWL of SCN4 is **890 kg** with equal load on each vertical fastening webbing loop on the upper end.
  - 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.

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Storage and fastening options:

- All nets include 5 buckle loops for storage and deployment fastening at the rescue platform.
- Mobile: When stored indoors laid flat on shelf ready for use.

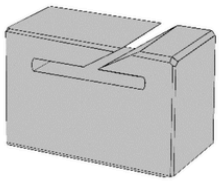
Available SCN6 accessories and design components:

Product no. 7 300 003 - SS rectangular link, fastening cleat and two screws to fasten to boats of rigid construction.
Product no. 7 300 005 - Distance Cleat



Design rights: Pétur Th. Pétursson

Accessory Part no. 7300003



Accessory Part no. 7300005

The data table below shows the vertical length of the SCN4 units, the minimum freeboard it is designed for and weight of standard version.

Model Name	Vertical Length in cm (ft)	Suitable for Fixing Length Below	Approximate Weight in kg (lbs)	Number of persons fit for climbing
SCN4-150	150 (4.92)	0.5 m	3.3 (2.3)	1
SCN4-200	200 (6.56)	0.5 m –1 m	3.6 (7.9)	1
SCN4-250	250 (8.2)	1 m –1.5 m	3.9 (8.5)	1
SCN4-300	300 (9.84)	1.5 m – 2 m	4.2 (9.2)	1
SCN4-350	350 (11.48)	2 m – 2.5 m	4.4 (9.8)	1
SCN4-400	400 (13)	2.5 m – 3 m	4.7 (10.4)	1
SCN4-450	450 (14.7)	3 m – 3.5 m	5 (11)	2

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Model Name	Vertical Length in cm (ft)	Suitable for Fixing Length Below	Approximate Weight in kg (lbs)	Number of persons fit for climbing
SCN4-500	500 (16.4)	3.5 m – 4 m	5.3 (11.6)	2
SCN4-550	550 (18)	4 m – 4.5 m	5.6 (12.2)	2
SCN4-600	600 (19.6)	4.5 m – 5 m	5.8 (12.8)	2
SCN4-650	650 (21.3)	5 m – 5.5 m	6.1 (13.5)	3
SCN4-700	700 (22.9)	5.5 m – 6 m	6.4 (14.1)	3
SCN4-750	750 (24.6)	6 m – 6.5 m	6.7 (14.7)	3
SCN4-800	800 (26.2)	6.5 m – 7 m	7 (15.3)	3
SCN4-850	850 (27.8)	7 m – 7.5 m	7.2 (15.9)	4
SCN4-900	900 (29.5)	7.5 m – 8 m	7.5 (16.5)	4
SCN4-950	950 (31.2)	8 m – 8.5 m	7.8 (17.1)	4
SCN4-1000	1000 (32.8)	8.5 m – 9 m	8.1 (17.8)	4
SCN4-1050	1050 (34.4)	9 m – 9.5 m	8.3 (18.4)	4
SCN4-1100	1100 (36)	9.5 m – 10 m	8.6 (19)	4
SCN4-1150	1150 (37.8)	10 m – 10.5 m	8.9 (19.6)	4
SCN4-1200	1200 (39.4)	10.5 m – 11 m	9.2 (20.2)	4

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