

Markus Evacuation Scramble-nets type SCN-EX

Models: SCN5 to SCN15 of vertical lengths from 11 m to 40 m.

General information

The Markus Evacuation scramble-nets type SCN-EX are designed to be on offshore vessels and platforms with freeboard from 10 m (33') to 40 m (133') as addition to the SOLAS evacuation ladder.

The SCN-EX type is made to the specification of this information sheets (pages 1 to 4), relevant items in ISO 19898-2019 Means of recovery of persons from water and our ISO 9001-2015 Quality standard which allow us to develop and manufacture lifesaving equipment for the marine industry and issue certificate of conformity to our specifications.

All products in this serie are tailor made to specifics of the vessel in question and therefore based on the information and request from the customer. The acceptance of the national marine administration or the notifying body on their behalf is the responsibility of the customer.

The SCN-EX type is made in the widths (horizontal) and lengths (vertical) as described in this document to the choice of the customer. The choice should take into account possible 20° listing of the vessel.

The customer can as well select from either fastening and storage inside handrail at the deck edge or outside a rail on a dedicated platform. Detailed construction drawings and instructions are available. **Please fill in the specific order form.**

Specification of various model widths, and maximum number of persons and load.

SCN5-EX
5 meshes
2 anchor straps
8 persons
Max. 10 ton

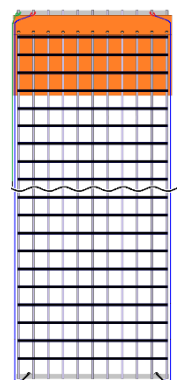
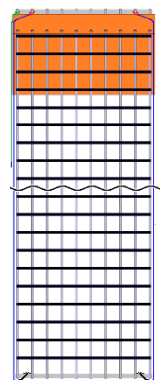
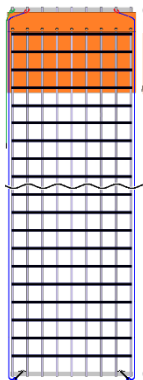
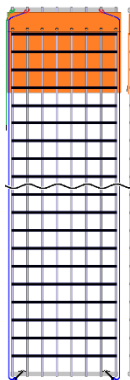
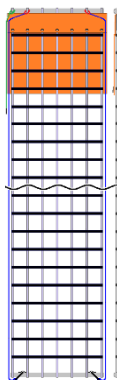
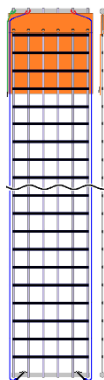
SCN6-EX
6 meshes
2 anchor straps
8 persons
Max. 13 ton

SCN7-EX
7 meshes
2 anchor straps
8 persons
Max. 14 ton

SCN8-EX
8 meshes
3 anchor straps
12 persons
Max. 16 ton

SCN9-EX
9 meshes
3 anchor straps
12 persons
Max. 18 ton

SCN10-EX
10 meshes
4 anchor straps
16 persons
Max. 19 ton



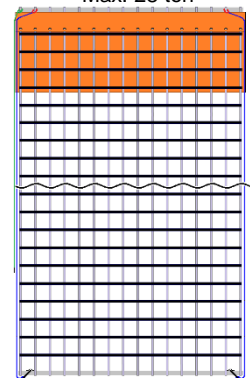
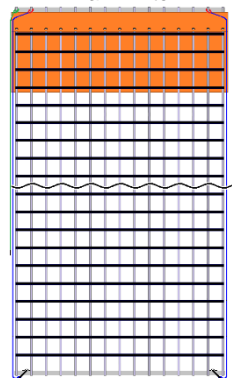
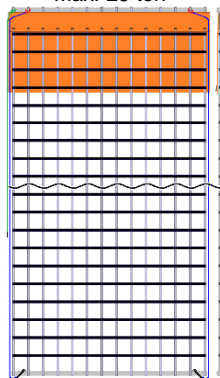
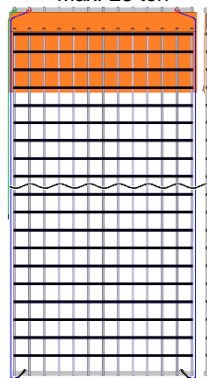
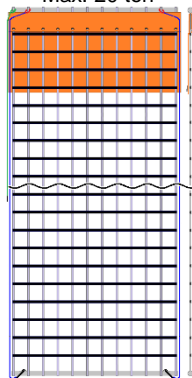
SCN11-EX
11 meshes
4 anchor straps
16 persons
Max. 20 ton

SCN12-EX
12 meshes
4 anchor straps
20 persons
Max. 23 ton

SCN13-EX
13 meshes
5 anchor straps
20 persons
Max. 25 ton

SCN14-EX
14 mesh
5 anchor straps
22 persons
Max. 27 ton

SCN15-EX
15 mesh
6 anchor straps
25 persons
Max. 28 ton



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General specification.

Specification for handrail version:

1. Anchor webbing straps of variable numbers based on width and working load, see page 2.
2. Standard length **170 cm** from upper end pipe, including snap hook

Specification for platform version:

1. Anchor webbing straps of variable numbers based on width and working load, see page 2.
2. Standard length **55 cm** from upper end pipe to anchor bolt.

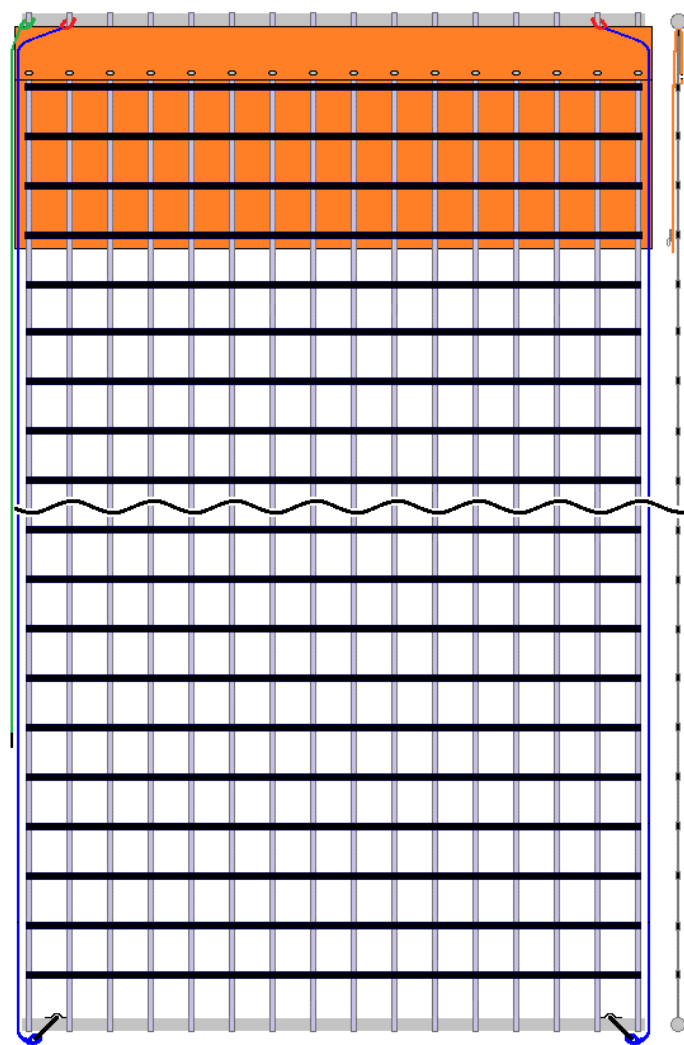
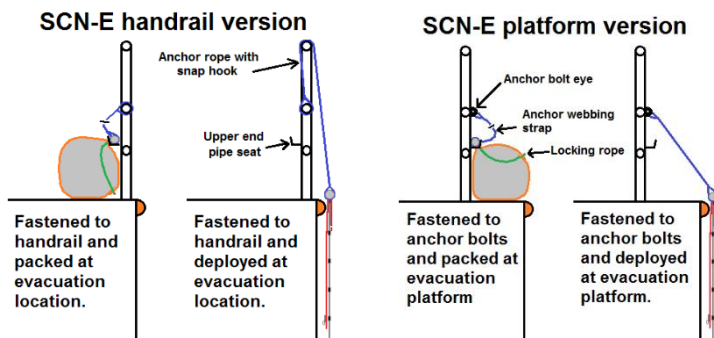
Standard methods of use:

Climbing or sliding down / Lowering.

Max number of people: Generally 5 persons pr 3 meshes width (row). Variable see page 1.

General specification for all models:

1. Width horizontal: Variable from 5 mesh (1 m) to 15 mesh (3 m). See page 1
2. Length vertical: Variable from 11 m to 40 m. See tables 1 to 4
3. Weight: Variable. See tables 1 and 3
4. Size: Variable. See tables 2 and 4
5. Net structure: Webbing Polyester
6. Mesh size: H25 cm x W20 cm
7. Horizontal webbing core (spreaders): Plastic rodes
8. Upper end pipe: Aluminium pipe with aluminium axel core
9. Lower end pipe: Aluminium pipe with aluminium axel core.
10. Each vertical webbing leg tensile tested in excess of 2400 kg. (5291 lbs).
11. Each mesh tensile tested in excess of 500 kg: (1102 lbs).
12. Total Tensile tested taking equal load to excess of: Variable see page 1.
13. Pull-in ropes: PP (Danline) 24 mm dia.
14. Cover: PVC fabric Orange Red.
15. Storage buckle straps of 50 mm black polyester webbing.
16. Fastening to construction as selected by customer, either handrail or platform version. See drawing and specification on page 1.
17. Supplied with Certificate of conformity, Instruction Poster, Instruction on deployment, repacking, inspection, spare parts and service tools.
18. Profile list (fender) required horizontal on platform side, outstanding 15 cm at deck edge. Length at least 40 cm longer than the width of net.



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Construction instruction:

1. Deck size minimum for storage is variable: Width of net structure + 20 cm x width of unit in transport, see table no. 2.
2. Make sure that there is nothing on the platform, platform edge, bulwark, handrail or on the outer side of the vessel that can damage the unit when deployed, used or repacked.
3. Each anchor point to withstand 3125 kg static load.
4. 2 to 6 Upper end pipe seats needed when fastened with platform straps. Distance from deck to Link-pipe seat on anchor poles shall be 40 cm.
5. Seat for SCN Link-pipe of 5 mm thick and 50 mm wide material open forward to hold up to 50 mm dia pipe.

Deployment instruction.

1. Release security strap buckles.
2. Lift upper end pipe of the upper end pipe seats on platform versions.
3. Pull locking wire out of locking loops on cover.
4. Push the lower end pipe over the deck edge or lift it over the rail or bulwark.

Repacking after deployment at evacuation platform.

1. Pull pull-in lines until the lower end pipe is at the same height level as the evacuation deck and fasten it there.
2. Pull link-pipe onto the seat on the anchor poles.
3. Pull the net structure into the cover bag on the escape deck, starting with the upper end and ending with the lower end pipe.
4. Lay the pull-in lines zig zag on the top, each line reaching half of the bag lengthwise.
5. Close the cover bag by threading the closing wire through the eyelet webbing loops .
6. Pack the ends of the cover bag and fasten in place with attached buckle straps.

Inspection and maintenance:

To extend the lifetime of this unit it is vital to have the webbing structure which comes in contact with salt water washed with fresh water before repacked and have the webbing structure and ropes always totally packed ready for deployment inside the Cover bag to protect it from the elements, particularly the sun. The unit should not be stored near heater or heated metal. If there may be danger that the construction may be hot in case of fire the unit shall be insulated from the metal construction.

The unit should be inspected as follows:

1. Eye inspection always when passing by. The net should be fastened to anchor points at all times and the PVC cover should shelter all webbing and rope parts totally.
2. Annually. Unit taken out checked for defects and repacked by safety officer.
3. Every 5th year the PVC cover and fastening straps should be renewed and random meshes in the net inspected and tested physically by service and method approved by the manufacturer.

**Annual and 5 year inspections should be registered in the inspection log book.
Recommended renewal of the unit after 10 to 15 years in use in warm environment.**



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