

## Technical sheet for MS.05, MS.10, MS.20 and MS.30

Markusnet type MS is manufactured in **4 standard Lloyds Register EMEA type approved versions** for use from ships and offshore installations as system meeting the requirements in SOLAS Reg. III/17-1 for recovery of persons from water and small boats;

**MS.05** for Marine Safety and survival training centers and vessels with upto 5 m *lifting height*<sup>1</sup>,

**MS.10** for vessels with up to 10 m lifting height,

**MS.20** for vessels with upto 20m lifting height,

**MS.30** for vessels with upto 30 m lifting height.

The MS.05, MS.10, MS.20 and MS.30 are with equal length of lifting lines on inner and outer end of the net structure.

Markusnet type MS is for lifting one person at a time manually or by mechanical hoisting device.

Specification of MS LR type approved versions:	MS.05	MS.10	MS.20	MS.30
A. Attachement line .....	14m	14m	14m	14m
B. Two Lifting lines, each .....	5m	10m	20m	30m
C. Lifting line with knots at rear end.....	5m	10m	20m	30m
D. Throw-line with chest loop .....	25m	25m	25m	25m
Total length of each unit.....	50m	60m	80m	100m
Total weight of unit in transport .....	11kg	13kg	15kg	17kg

Rigid PE container size in cm: L70 x W21 x H50 – in cubic m 0,078 m<sup>3</sup>

### Specification valid for all MS versions:

Weight of net structure:	- 2,5 kg
Length of net structure:	- 1,8 m
Width of net structure:	- 1,5 m
Load tested for over 500 kg	- to secure lifting of one person at a time.
Float tested to carry more than 10 kg	- to float one person and form the net structure in water
Chest – loop maximum circumference	- 1,4 m
Tensile strength of <i>lifting arrangements</i> <sup>2</sup>	- over 500 kg

### Definitions:

- Lifting height: Distance from water to top of rail or gunwale at the rescue deck
- Lifting arrangements: All lifting lines and hoisting straps and their link point to the net structure

List of enclosed and available documents, see page 2.

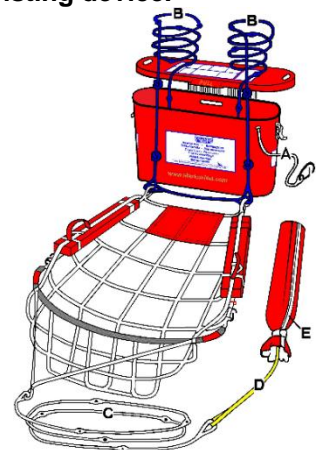
Lloyd's register ISO19898:2019 type approval certificate no. [LR21459800SS](#)

Icelandic type approval journal no. [09.09.2019](#)

**The Markusnet has had more than 40 years successful history on vessels working on the rough sea around Iceland and in Icelandic harbours.**

It is still unique, reliable and effective device to render in seconds help and security to a person in the water and to recover persons from water, liferaft or similar, manually or by crane, in standing, sitting or deckchair position and in all weather / sea condition that crew can operate on deck.

Sales representative:



Location sign to use on safety map and at storage place for Markusnet type MS



ISO 9001 Certified Management System by LRQA

**Man overboard safety and rescue is our concern and speciality.**



The Markusnet is designed and manufactured by  
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## List of Markusnet type MS documents in English, enclosed with each unit.

LEI-040/3      Technical sheet applicable for the Markusnet versions MS.05, .10, .20 and .30 units with spare part and assessor list  
Certificate of manufacture  
Certificate of confirmity  
IS type approval certificate journal no. 06.11.14  
LR EMEA type approval certificate no. SAS S160032  
Inspection guidelines  
Instruction posters for basic use and recovery from liferaft or lifeboat in hasardous situation at sea.  
Markusnet type MS PIW (person in water) safety and rescue (Guide) manual.  
Markusnet reference and testing reports.

## List of Markus Lifenet documents and videos on CD enclosed with each unit.

1. Documents listed above some in various languages.
2. Sample draft of plan and procedure for recovery of person(s) from water using Markusnet as main method.
3. Surface Rescue Swimmer Guidelines
3. Training videos, showing various use and repacking

### Available on request through [www.Markusnet.com](http://www.Markusnet.com):

Service partners nearest to you.  
List of Markusnet type MS Spare parts.  
Markus Lifenet inquiry / order form  
Markusnet type MS introduction sheets.

## List of other Markus Lifenet products that may be of interest to recover PIW (person in water).

Markus PIW Emergency Rescue-line with chest loop, type RLC25  
Markus PIW Emergency Ladders 2 mesh (40 cm) wide. Various lengths from 150 cm to 1200 cm. Type SCN  
Markus Rescue boat net types SCN6-200R or SCN6-250R.  
Markus PIW Scramble-net / Cradle for work boats type SCN6-300R, -350R, -400R Tailor made to each boat.  
Markus PIW Scramble-net / Cradle for transport boats types SCN8-200 to 400R Tailor made to each boat.  
Markus PIW Scramble-net / Cradle for Coastguard boats types SCN10-200 to 400R Tailor made to each boat.  
Markus PIW Scramble-net / Cradle for cargo vessels types SCN8-450 to 1200R Tailor made to each vessel.  
Markus PIW Scramble-net / Cradle types SCN10-450 to 1200R Tailor made to each vessel.  
Markus PIW Pull Scoop for use in search and rescue operation. New product at development stage.

## Available assessories.

Location sign

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