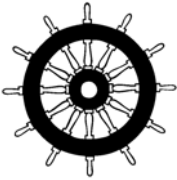
	<p>SPECIFICATION Rescue Boat NDM 4.40 Rescue (aluminium)</p>	
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1. General

The NED-DECK MARINE Rescue Boat, type NDM 4.40 Rescue has been designed for long time heavy duty operations under adverse and extreme weather conditions. It has been designed especially to rescue people in distress as well as to marshal liferafts. The rescue boat is capable of carrying at least 5 seated persons and 1 person laying on a stretcher.

The NDM 4.40 Rescue is a rigid rescue boat, completely made of seawater-resistant aluminium. The main advantage of this aluminium is that it hardly requires maintenance. Contrary to the conventional rescue boats like GRP and Inflated ones, the influences of ultraviolet rays and seawater are totally negligible, which obviously works out well to the life span of the NDM 4.40 Rescue. When purchasing the NDM 4.40 Rescue, annoying and expensive repairs of GRP cracks and/or punctured tubes will be history.

The hull of the NDM 4.40 Rescue is a so-called “double hull” construction. The hull is divided into several compartments. It has been built-up of seawater-resistant aluminium plates to a solid and rigid frame construction. All compartments are fully filled-up with a polyurethane hard foam making the NDM 4.40 Rescue unsinkable. The hull has been executed with a stern recess to accommodate the outboard motor. Its V-shaped hull construction guarantees an optimum planing and subsequent sailing speed.

The NDM 4.40 Rescue is capable of manoeuvring at a speed of 6 knots as a minimum and to maintain that speed for a period of at least 4 hours.


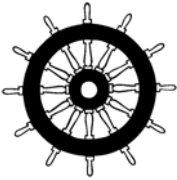
Marshalling or towing of liferafts can be done by using the two bollards which are permanently fitted at the stern of the rescue boat. It shall be clear that the capacity of the outboard motor depends on the size of the largest liferaft.

In the unfortunate event of capsizing, the NDM 4,40 Rescue can be righted by two persons. To make this possible, the rescue boat has been provided with a righting rope on starboard side and various handgrips on gunwale and bottom. Moreover the rescue boat is fitted with grab lines at starboard and portside.

The NDM 4.40 Rescue has been executed with two benches. The forward bench is removable in order to gain safe and easy access for the person lying on the stretcher. The aft bench however is permanently fitted and fully integrated into the hull construction. The forward and aft bench respectively offer 3 and 2 seats. No person has to sit on the floor.

Although the rescue boat has adequate sheer, it has been provided with a bow cover to protect the crew from water spray. Nevertheless, the cockpit has been provided with a non-skid surface and is automatically self-bailing.

The NDM 4.40 Rescue meets the latest IMO/SOLAS requirements and LSA Code (Chapter V, regulation 5.1 “Rescue boats”) as well as the European Council Directive 96/98 EC on Marine Equipment (M.E.D.).

	<p>SPECIFICATION Rescue Boat NDM 4.40 Rescue (aluminium)</p>	
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2. Main components

Hull construction/cockpit (A.1/1.18)

V-shaped double hull construction executed with stern recess and bow cover. A stowage compartment for small equipment is located underneath this bow cover.

The hull is built-up of 4 mm seawater resistant aluminium plates (AlMg4.5) and is divided into several compartments. All compartments are filled-up with a polyurethane hard foam.

To create a solid and rigid construction, the hull is provided with stiffeners in transversal and longitudinal directions.

Due to the solid and rigid construction, skates and/or fenders are not required when the rescue boat is launched down the ship's side.

The rescue boat is equipped with two benches of sufficient capacity to accommodate 5 persons. The forward bench is removable by loosening two wing nuts whilst the aft bench is permanently fitted and fully integrated into the hull construction.

Outboard motor (A.1/1.37)

The NDM 4,40 Rescue is supplied with a SOLAS approved long tail outboard motor with single propeller propulsion.

Starting the motor is done manually by means of a starter rope.

The rotating direction of the propeller and subsequently the sailing direction is selected by setting the shift handle into forward or reverse position.

Steering is done by the helmsman by moving the tiller handle to the left or to the right. The tiller handle has been provided with a throttle grip which can be turned clockwise or anti-clockwise in order to increase or decrease the sailing speed.

For safety reasons the outboard motor is supplied with a safety stop switch and lanyard. This lanyard is a coiled cord which can be stretched out to a certain length. One end of this lanyard is connected to the safety stop switch whilst the other end is attached to the helmsman by wrapping it around his wrist or leg.

In the unfortunate event of falling overboard, the safety stop switch will be activated automatically and the engine stops immediately.

To protect people in the water from getting injured by the rotating propeller, the propeller has been equipped with a propeller guard.


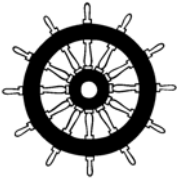
Dependent on its output, the outboard motor is supplied either with one or with two portable fuel tanks of sufficient capacity to guarantee the required working range and speed.

The fuel tank(s) are stowed underneath the aft bench of the rescue boat and are lashed down securely by means of straps.

A fuel hose with integrated hand pump is included in the scope of supply.

The NDM 4.40 Rescue can be equipped with outboard motors of different brand names and outputs up to 40 horsepower (hp).

In most common cases the NDM 4.40 Rescue is supplied with a 2-stroke motor of 25 hp.

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3. Rescue boat fittings (permanently fitted)

6.1 Seats

The NDM 4.40 Rescue is equipped with two benches of sufficient capacity to accommodate 5 persons. Each seating position is clearly marked.

The forward and aft bench respectively offer 3 and 2 seats, so no one has to sit on the floor. The forward bench can be removed quickly by loosening two wing nuts in order to gain safe and easy access for the person laying on the stretcher.

Contrary to the forward bench, the aft bench is permanently fitted and fully integrated into the hull construction.

The aft bench is also executed with a small support bracket to which the compass can be attached (see rescue boat equipment).

6.2 Flooring

The aluminium flooring has been provided with a non-skid finish.

6.3 Righting facilities

The NDM 4.40 Rescue is equipped with sufficient facilities for righting the boat in the unfortunate event of capsizing. Four handgrips are permanently fitted on top of the gunwale and two handgrips are permanently fitted on the bottom of the hull.

Moreover a righting rope has been fitted on starboard side, properly stowed away in a weather tight stowage bag.

6.4 Grab lines

The rescue boat is fitted with suitable grab lines at starboard and portside to enable persons in the water to cling to the rescue boat.

6.5 Stowage facilities

A stowage compartment is located underneath the bow cover of the rescue boat. In this compartment all loose rescue boat equipment can be stowed away. A second stowage facility can be found underneath the aft bench (for stowage of fuel tank)

6.6 Hoisting facilities

The rescue boat is equipped with a certified 4-point lifting sling suspension. The slings are either made from galvanised steel wire ropes or from nylon straps.

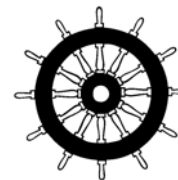
6.7 Painter facilities

The NDM 4.40 Rescue is fitted with a painter device on top of its bow cover. This painter device is of sufficient strength to withstand the towing forces when the rescue boat is being towed by the mother ship making headway at speeds up to 5 knots in calm water.

The painter device consists of a stainless steel painter hook which can be released at all times from inside the rescue boat by means of a pull cord.



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6.8 Skates and Fenders

The solid and rigid aluminium hull construction of the NDM 4.40 Rescue does not demand for skates and/or fenders. Therefore skates and/or fenders are not included in our standard scope of supply.

6.9 Position indicating light (A.1/1.2a)

The NDM 4.40 Rescue is equipped with a manually controlled lamp (white) capable of operating continuously for at least 12 hours with a luminous intensity of not less than 4.3 cd in all directions of its upper hemisphere.

6.10 Retro-reflective materials (A.1/1.30)

The NDM 4.40 Rescue is fitted with self-adhesive seawater resistant retro-reflective materials in order to detect the rescue boat from all directions, even if it has been capsized.

6.11 Rescue boat markings/lettering

The rescue boat is provided with the following markings/lettering:

- Number of persons for which the rescue boat is approved;
- Ship's name;
- Port of registry;
- Call sign.

Due to logistic reasons, the above mentioned markings/lettering will be applied only in case they have been confirmed to us in writing not later than three weeks before the agreed delivery date. Information received after this date shall not be processed anymore.

6.12 Outboard motor operating instructions

Seawater-resistant instructions for starting and operating the outboard motor are fitted on a conspicuous place in way of the rescue boat's stern recess.

6.13 Bow cover


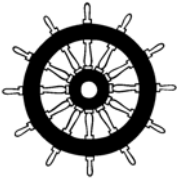
The NDM 4.40 Rescue has been provided with a bow cover to protect the crew from water spray.

6.14 Towing facilities

Two bollards of sufficient strength to marshal or to tow liferafts are fitted permanently at the stern of the rescue boat.

6.15 Draining facilities

The cockpit of the rescue boat is automatically self-bailing. The draining pipes at the stern of the rescue boat are provided with self-closing hoses, to prevent ingress of seawater.

	<p>SPECIFICATION Rescue Boat NDM 4.40 Rescue (aluminium)</p>	
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4. Rescue boat equipment (loose items)

The NDM 4.40 Rescue will be out-fitted with several loose items of rescue boat equipment. Although the equipment and required quantities are clearly specified in the LSA Code, experience shows that enormous differences can be found when comparing similar products of different brand names.

NDM guarantees that the rescue boat equipment will be obtained from a limited selection of first class suppliers only. No matter which supplier is chosen, the equipment will always be of a consistent quality and fully in compliance with the international maritime rules and regulations. NDM therefore reserves the right to decide autonomously which items and which brand names will be chosen and supplied in the end, unless explicitly agreed otherwise in writing.

The NDM 4.40 Rescue will be supplied with the following equipment:

4.1 **Boarding ladder**

One removable boarding ladder. This boarding ladder is a 3-step rope ladder that can be used at both sides to enable persons in the water to board the rescue boat.

4.2 **Paddles**

One set of paddles to make headway in calm seas. These paddles are lashed down securely at starboard side by means of straps.

4.3 **Buoyant bailer**

One buoyant bailer to bail out the rescue boat in case of excessive water ingress.

4.4 **Compass (A.1/4.23)**

One compass which can be attached to a support bracket which is fitted onto the aft bench near the helmsman. Illumination is done by means of cyalume lightsticks.

4.5 **Sea-anchor**

One sea-anchor with 15 m rope.

4.6 **Painter line**

One polypropylene painter line of 30 m in length.

4.7 **Buoyant line/towing rope**

One buoyant line of 50 m in length for towing/marshalling of liferafts.

4.8 **Electric torch**

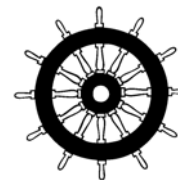
One waterproof electric torch, suitable for Morse signalling, one set of spare batteries and one spare bulb in a waterproof container.

4.9 **Whistle**

One plastic whistle provided with lanyard.



SPECIFICATION Rescue Boat NDM 4.40 Rescue (aluminium)



4.10 First Aid Kit

One First Aid Kit, category "C", in a watertight sealed bag that can be closed tightly after use.

This First Aid Kit complies with the European Council Directive 92/29/EC and conforms to the latest SOLAS amendments and Merchant Shipping Notice MSN 1768 (M+F) for ships medical stores.

4.11 Buoyant rescue quoits

Two buoyant rescue quoits both provided with 30 m of buoyant line.

4.12 Search light (A.1/1.38)

One search light for continuous operation for not less than 3 hours.

4.13 Radar reflector (A.1/1.33)

One efficient radar reflector with relevant fastening materials.

4.14 Thermal protective aids (A.1/1.7)

Two thermal protective aids.

4.15 Fire extinguisher (A.1/3.38)

One portable fire extinguisher approved for extinguishing oil fires.

4.16 Boat hook

One boat hook will be supplied. For transport reasons this boat hook will be lashed down at starboard side together with the paddles. Please note that this boat hook must be kept free at all times in order to be ready for fending-off purposes.

4.17 Bucket


One bucket with handle and rope. Capacity 5.5 litre.


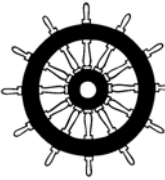
4.18 Jack knife

One floating jack knife with lanyard.

Remarks

With the exception of the paddles and boathook, the above mentioned items are properly stowed away in a weather tight stowage bag that can be found in the stowage compartment underneath the rescue boat's bow cover.

All items that are marked with  have been type approved in accordance with the European Council Directive 96/98 EC on Marine Equipment (M.E.D.) and applicable amendments.

	<p>SPECIFICATION Rescue Boat NDM 4.40 Rescue (aluminium)</p>	
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5. Conservation

The hull is shot blasted to SA 2,5 and coated with two layers of 2-component epoxy paint (Sigma or equivalent). Total dry film thickness 100-120 microns.

The NDM 4.40 Rescue is available in two colours, i.e.: yellow (RAL1016) or orange (RAL2004).

The flooring of the rescue boat has been coated with a non-skid finish in a grey colour.

6. Optional accessories and equipment

6.1 Fender

The NDM 4.40 Rescue can be equipped with a heavy duty D-shaped rubber fender all around its hull. This fender protects the rescue boat from possible dents caused by a collision but also from scratches when the boat is being launched down the side of the mother ship.

This heavy duty D-fender also supersedes the conventional boat skates.

6.2 Rescue net

The NDM 4.40 Rescue can be equipped with an NDM RSQ-net. This NDM RSQ-net is a rescue net that has been designed for safe and quick recovery of a drowning person from the sea. It will be delivered in a weather tight stowage bag and can be fitted permanently into the rescue boat.

6.3 Boat cover

Upon request the NDM 4.40 Rescue can be supplied with a boat cover in order to keep the cockpit clean and tidy.

6.4 Boat cradle

Unless integrated into its launching device, the NDM 4.40 Rescue can be supplied with a boat cradle for safe and adequate installation on deck.

There are two different cradles available, a fixed type and a releasable type. In case the rescue boat is launched by means of stored power, the cradle must be a releasable one.

6.5 Non-standard outboard motors

Upon request.

The above-mentioned options are just randomly picked from the various possibilities.

We wish to draw your attention to the fact that all items that have not been mentioned explicitly will be considered as non-standard and subsequently excluded from our scope of supply.