

A. General

The NED-DECK MARINE pivoting gravity davits have been designed for long time operation under adverse and extreme circumstances in a highly corrosive marine environment. Especially under arctic weather conditions this type of davit is preferred above all other davit systems.

The combination of one pivot point only and the positive centre of gravity of the lifeboat guarantees a trouble-free operation.

The PLG pivoting gravity davit is a freestanding deck mounted davit consisting of two davit arms, each supported by a davit stool, and a separate winch.

The system is suitable for safe and efficient launching of a fully manned lifeboat against unfavourable conditions of trim of up to 10 degrees and a list of up to 20 degrees either way.

The davit system has been designed especially for inboard embarkation.

Launching of the fully manned lifeboat from its stowed position to the water level is realised by means of gravity.

The Launching procedure can be controlled in two ways, either by means of a remote control wire from within the lifeboat or by lifting the brake handle of the winch directly.

Recovery of the lifeboat with its launching crew is realised by using the electric driven winch. In case of a power failure or malfunctioning of the electric system, hoisting can also be done manually by using the crank handle of the winch.

In order to reduce maintenance to a minimum, all shafts and pins are made of stainless steel and provided with self-lubricated bushings.

The PLG series meets the latest IMO/SOLAS requirements and LSA Code as well as the European Council Directive 96/98 EC on Marine Equipment (M.E.D.).

B. Main Components:

Davit arms

The davit system consists of two davit arms of a box-welded construction, each supported by a davit stool.

The davit arms are provided with all necessary wire rope sheaves, provisions for fastening of relevant accessories, climbing irons for easy access of top sheaves, eyes for span wire, eyes for lashing wires and eyes for maintenance slings.

Davit stools

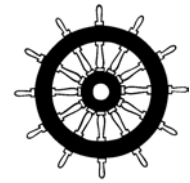
The davit system consists of two stools, each supporting a davit arm. The stools are built-up from profiles and steel plates to a stiff rigid frame in order to transfer the forces to the deck structure.

The stools are provided with all necessary wire rope sheaves, bollards, provisions for fastening of relevant accessories, provisions for harbour pins and locking device for securing of boat and davit arm in stowed position.

Normally the davit stools are to be welded onto the deck but upon request they can also be delivered with a flange (optional)



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Winch

Each davit system will be supplied with an electrically driven winch which should be fixed onto a counter foundation (yard supply).

The winch is a standard item and consists of the following main components;

- Closed gear casing with foundation frame;
- Built-on electric motor;
- Winch drum, divided in two sections;
- Remote control drum;
- Speed reducer gear (conventional gear train);
- Centrifugal brake unit for gravity lowering;
- Stop brake of the “dead-man” type;
- Manual cranking gear with safety device;
- Hand wheel for paying-out of wire rope.

C. Accessories:

Each davit system will be supplied with the following accessories:

Electric controls

- Motor starter for mounting near the railing and provided with main switch, push button and “power on” indicator;
- Limit switches

Suspension parts

- Galvanised steel wire rope of sufficient length for lowering the boat into the water;
- Wire rope clamps, to be fitted onto the standing part of the wire rope. These wire rope clamps guarantee that the lifeboat always remains horizontal and that the davit arms are pivoting simultaneously;
- Non-toppling lower blocks and plate links;
- All necessary chains, links and shackles.

Lashing parts

- Lashing wires, supplied with overlength (correct length to be determined by yard);
- Lashing strap;
- Slip screw (one-man release gear);
- Loose items such as thimbles, wire rope clamps, links and shackles.

Remote control parts

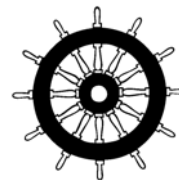
- Stainless steel remote control wire of sufficient length;
- Pull cord for operating from within the lifeboat;
- Remote control sheaves and blocks;
- Loose items such as wire rope clamps and shackles;
- Span wire with fastening materials (between davits).

Foul weather and recovery pendants (rescue boat only!)

- In case the lifeboat is also rated as a rescue boat, the davit will be supplied with foul weather and recovery pendants.



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Remainder loose items

- Hollow section (between the davit stools);
- Boat supports;
- Keel stops.
- Harbour pins (1 set per ship);

D. Conservation

Unless agreed otherwise, all steelwork will be shot blasted to SA 2,5 and coated with one layer of 2-component epoxy primer of brand **SIGMA**. Dry film thickness 60-80 microns.
This conservation is not suitable for outdoor storage for a long period of time.

E. Optional accessories

The following accessories are to be seen as non-standard but can be supplied optionally:

- Maintenance slings;
- Bowsing/tricing gear (in case of outboard embarkation);
- Man ropes.