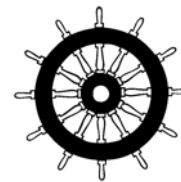




# SPECIFICATION MANUAL SLEWING DAVIT SCM-L Series



## A. General

The NED-DECK MARINE manual slewing davits have been designed for long time operation under adverse and extreme conditions in a highly corrosive marine environment. The manual slewing davits of the SCM-L series are so-called “plug-in and play units” all guaranteeing easy installation on board.

The SCM-L davit is a freestanding deck mounted davit consisting of a davit arm, column and winch.

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

Slewing out the davit arm is realised manually by means of a crank handle. As soon as the correct outboard position has been achieved, the life-raft can be inflated (for correct procedure see instructions of life-raft manufacturer!).

After embarking, the life-raft can be lowered to the water level. The lowering procedure can be controlled in two ways, either by means of a remote control wire from within the life-raft or by lifting the brake handle of the winch directly. Lowering is realised by means of gravity.

Recovery of the empty hook is realised manually by using the crank handle of the winch. Dependant on the lowering height and the number of life-rafts, the winch can be equipped with a so-called “quick-return unit” for easy and fast retrieval of the empty hook.

Since the safe working load and outreach of the davit are normally determined by the size of the life-raft, NED-DECK MARINE have chosen for a limited range of standard designs which can be adapted to some extent in order to meet individual and specific needs.

The SCM-L 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 column**

The davit column is an assembly of an inner column, an outer column and a self-braking worm gear unit. The self-braking properties of the worm gear guarantees that the davit is kept in position ever under extreme list and trim conditions.

Standard the SCM-L davit is delivered with a fixed inner column which should be flanged onto a counter foundation/pedestal.

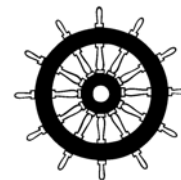
Optionally the davit can be delivered with a fixed outer-column. The main advantage of this type of column is that manual slewing can take place from a fixed position on deck.

### **Davit arm**

The davit arm is a welded construction of a hollow section, a pipe, steel plates and a flange and provided with all relevant accessories such as winch foundation, top sheave and lifting eye.



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### **Winch**

Each davit will be supplied with a manual driven winch built onto the davit arm. The winch is a standard item and consists of the following main components;

- Closed gear casing;
- Single winch drum with separate section for remote control wire;
- 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;

### **C. Accessories:**

Each davit system will be supplied with the following accessories:

#### **Wire rope**

- Galvanised non-rotating steel wire rope provided with thimble at one end and of sufficient length for lowering the life-raft into the water (see data sheet);

#### **Remote control parts**

- Stainless steel remote control wire of sufficient length;
- Handgrip for operating from within the life-raft;
- Remote control sheaves;
- Loose items such as wire rope clips and shackles;

### **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:

- Stainless steel automatic release hook (off-load type);
- Counter foundation/Pedestal;
- Quick-return unit and jockey pulley lines for fast retrieval of empty hook.