PALFINGER NED-DECK – YOUR PARTNER FOR SAFE AND RELIABLE LAUNCH AND RECOVERY SYSTEMS
LIFETIME EXCELLENCE

PALFINGER NED-DECK OFFERS A WIDE RANGE OF LAUNCH AND RECOVERY SYSTEMS FOR THE MARINE, OFFSHORE, NAVY & COAST GUARD INDUSTRIES. EASY INSTALLATION, OPERATION AND ECONOMICAL ASPECTS MAKE OUR PRODUCTS A SAFE AND RELIABLE CHOICE FOR ANY APPLICATION.

HIGHER VALUE RETENTION
MORE FLEXIBILITY
BETTER EFFICIENCY

BETTER SOLUTIONS
BETTER ERGONOMICS

HIGHER SERVICEABILITY
MORE RELIABILITY
HIGHER AVAILABILITY

For further information please visit: www.palfinger.com/thebrand
HIGHEST STANDARDS OF SAFETY AND RELIABILITY
Excellent customer care
Creative solutions to any challenge
Worldwide service network
Optimum reliability
Minimum maintenance/low cost of ownership
Fast and easy installation
KEY FEATURES & BENEFITS

STANDARD RANGE OF DAVITS
- Easy exchangeability of components
- Prompt delivery times
- Competitive pricing

HIGH-TECH AND INNOVATIVE DAVITS
- Designed for daily operations at heavy seas
- Meeting the unique requirements for navies and coast guards
- In compliance with the specific offshore requirements
- Increased operational efficiency

EASY ACCESS
- For periodic maintenance
- For service and repair
- Clear labelling
- Detailed manuals

STAINLESS STEEL POWER UNIT (HPU)
- Applicable for several standard davit types
- Easy and fast exchangeability
- Hydraulic components completely submerged inside stainless steel hydraulic tank
- Available with specified voltage and frequency

CONSTANT TENSIONING – WAVE COMPENSATION
- Keeps a hoisting tackle or lifting link under constant tension
- Reduces forces on davit system and winch
- Extends lifetime quality of system
- Increased operational safety for crew

WINCHES
- Life-saving winches: manual, electric and hydraulic execution
- Man riding winches
- Delivered as separate unit or integrated in the total davit system
- Replacement project: for cases where maintenance and reliability of the old winch proves to be the problem
STRONG TEAM

- Dedicated and highly skilled employees, capable of finding creative solutions to any challenge
- Our in-house engineering team navigates you through the labyrinth of applicable rules and regulations
- Worldwide sales network of dedicated partners and owned offices

ACCESSORIES

- CAR 35 stainless steel automatic release hook, SWL of 36 kN (more information on page 15)
- Control stand (stainless steel)
- Shock absorber for dampening forces on the davit and the boat
- Painterline boom for a complete boat handling concept
- Pedestal and/or counter foundation
- Cradle for stowage of the rescue boat
- Paint system for marine environment

TRAINING SCHOOL EQUIPMENT

- Simulation of real emergency situations
- Developed in close cooperation with major training schools
- Supplied to training centres worldwide
- Designed for multiple uses every day
- Modular mobile training school concept for remote/multiple training locations

EXCELLENT CUSTOMER CARE

- Worldwide coverage and 24/7 availability - via worldwide service network
- Strategic stock of spare parts
- Service training for international service engineers
- Extensive product information, such as drawings and specifications, are available on www.palfingerneddeck.com

ATEX CERTIFICATION

- Standard II2G EEx d IIA T3
- Other specifications available upon request

CLASS - QUALITY

- Fulfillment of latest IMO/SOLAS requirements, LSA code and Wheelmark approval (EC/MED)
- Most represented classes: BV, ABS, Lloyd’s, DNV, GL, RMRS, RINA, Class NK and USCG
- Quality system approved in accordance with ISO 9001:2008
- ‘Certificate of Manufacturing Assessment’ issued by ABS
- MED 96/98/EC Quality System Module D issued by BV
LIFE RAFT & RESCUE BOAT DAVITS

Single arm davits
Standardized range
Plug & play units
Prompt delivery times

RESCUE BOAT DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load (SWL)</th>
<th>Radius</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM - R Series</td>
<td>10 kN</td>
<td>3.5 m - 5.2 m</td>
<td>Manual Slewing</td>
</tr>
<tr>
<td>SCH - R Series</td>
<td>10 kN - 15 kN</td>
<td>4.0 m - 7.0 m</td>
<td>Hydraulic Slewing</td>
</tr>
<tr>
<td>SCHD - R Series</td>
<td>20 kN - 30 kN</td>
<td>4.0 m - 5.0 m</td>
<td>Hydraulic Slewing</td>
</tr>
</tbody>
</table>

LIFE RAFT DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load</th>
<th>Radius</th>
<th>Life Raft Capacity</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM - L Series</td>
<td>15 kN - 36 kN</td>
<td>3.5 m - 4.5 m</td>
<td>≤ 39 pers.</td>
<td>Manual Slewing</td>
</tr>
<tr>
<td>PBR Series</td>
<td>33 kN</td>
<td>3.75 m</td>
<td>≤ 36 pers.</td>
<td>Gravity Pivoting</td>
</tr>
</tbody>
</table>

COMBI RESCUE BOAT/LIFE RAFT DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>SWL Rescue Boat</th>
<th>SWL Life Raft</th>
<th>Radius</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM - LR Series</td>
<td>10 kN</td>
<td>15 kN - 23 kN</td>
<td>3.5 m - 4.0 m</td>
<td>Manual Slewing</td>
</tr>
<tr>
<td>SCH - LR Series</td>
<td>12 kN - 14 kN</td>
<td>15 kN - 36 kN</td>
<td>3.5 m - 4.5 m</td>
<td>Hydraulic Slewing</td>
</tr>
</tbody>
</table>
(FAST) RESCUE BOAT DAVITS

- Long-term operation under extreme conditions
- Deck welded or bolted version
- Plug & play units
- Narrow footprint
- Remote control push button box

SINGLE ARM PIVOTING RESCUE BOAT DAVITS

<table>
<thead>
<tr>
<th></th>
<th>Safe Working Load (SWL)</th>
<th>Hoisting</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFHS Series</td>
<td>15 kN</td>
<td>Electric 18 m/min</td>
</tr>
</tbody>
</table>

A-FRAME (FAST) RESCUE BOAT DAVITS

<table>
<thead>
<tr>
<th></th>
<th>Safe Working Load (SWL)</th>
<th>Hoisting</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRHE Series</td>
<td>20 kN - 35 kN</td>
<td>Electric 18 m/min</td>
</tr>
<tr>
<td>PRHE - H Series</td>
<td>20 kN - 35 kN</td>
<td>Hydraulic, 18 m/min</td>
</tr>
<tr>
<td>PRH - H Series²</td>
<td>25 kN - 35 kN</td>
<td>Hydraulic, 48 m/min</td>
</tr>
<tr>
<td>PRH - Series²</td>
<td>20 kN - 30 kN</td>
<td>Hydraulic, 60 m/min</td>
</tr>
</tbody>
</table>

A-FRAME (FAST) RESCUE BOAT DAVITS WITH ANTI PENDULUM SYSTEM

<table>
<thead>
<tr>
<th></th>
<th>Safe Working Load (SWL)</th>
<th>Hoisting</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRH - AP Series²</td>
<td>37.5 kN</td>
<td>Hydraulic, 48-60 m/min</td>
</tr>
</tbody>
</table>

¹ optionally: constant tensioning | ² constant tensioning included in scope of supply
WORKBOAT / DAUGHTER CRAFT DAVITS

- Shock absorber
- Winch equipped with fully hydraulic constant tensioning system
- Hydraulically operated anti pendulum system on davit system
- Increased safety for crew due to AP docking head
- Increased life span of the boat and davit

PRH - AP SERIES
- Hydraulic dual point davit
- Two independently operated constant tensioning winches
- Hydro-pneumatic shock absorber
- Stainless steel operating console
- Suspended roof-mounted davit
- Hydraulic power unit
- Hydraulically operated winch
- Recommended; hydraulically operated anti pendulum system

PFH-CT SERIES
- Hydraulic dual point davit
- Two independently operated constant tensioning winches
- Hydro-pneumatic shock absorber
- Stainless steel operating console
- Skid mounted or Free standing

HOTT SERIES
- 35 kN - 75 kN Shock absorber, Anti Pendulum, Constant Tensioning

HYDRAULIC A-FRAME DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
<th>Hoisting</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRH - AP Series</td>
<td>35 kN - 100 kN Hydraulic, 48-60 m/min</td>
</tr>
</tbody>
</table>

HYDRAULIC DUAL POINT DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
<th>Available executions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFH-CT Series</td>
<td>80 kN - 220 kN Skid mounted or Free standing</td>
</tr>
</tbody>
</table>

HYDRAULIC OVERHEAD TELESCOPIC DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOTT Series</td>
<td>35 kN - 75 kN Shock absorber, Anti Pendulum, Constant Tensioning</td>
</tr>
</tbody>
</table>
**OFFSHORE DAVITS**

- For life- and/or rescue boat handling
- Compact design
- Suitable for on-board various offshore platform designs
- Meet all major oil & gas company requirements
- Offshore documentation
- Outer boat supports, securing the boat in stowed position

### FIXED OUTRIGGER LIFE BOAT DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPG Series</td>
<td>75 kN - 230 kN Electric hoisting, gravity lowering</td>
</tr>
</tbody>
</table>

### FIXED OUTRIGGER RESCUE BOAT DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPR Series</td>
<td>10 kN - 35 kN Electric hoisting, gravity lowering</td>
</tr>
<tr>
<td>FPR-H Series</td>
<td>35 kN Hydraulic hoisting and lowering</td>
</tr>
</tbody>
</table>
LIFE BOAT DAVITS

- Designed to handle any type of life boat and/or rescue boat
- Supplied in modular sections or as one completely assembled unit (skid mounted)
- Maintenance- and user-friendly design for periodic inspections, increasing safety for crew
- Exchangeability of parts
- Narrow footprint
- Own integrated HPU system and operating unit

### GRAVITY PIVOTING LIFE BOAT DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLG Series</td>
<td>60 kN - 120 kN</td>
<td>Gravity Pivoting</td>
</tr>
<tr>
<td>LPLG Series</td>
<td>135 kN - 175 kN</td>
<td>Gravity Pivoting</td>
</tr>
</tbody>
</table>

### HYDRAULIC PIVOTING LIFE BOAT DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFH Series</td>
<td>60 kN - 180 kN</td>
<td>Hydraulic Pivoting</td>
</tr>
<tr>
<td>HPLG Series</td>
<td>60 kN - 185 kN</td>
<td>Hydraulic Pivoting</td>
</tr>
</tbody>
</table>

### GRAVITY ROLLER TRACK DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRT Series</td>
<td>60 kN - 90 kN</td>
<td>Gravity Roller track</td>
</tr>
</tbody>
</table>

### FREE-FALL DAVITS

<table>
<thead>
<tr>
<th>Series</th>
<th>Safe Working Load (SWL)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFH Series</td>
<td>45 kN - 95 kN</td>
<td>Deck-to-wall mounted or foldable execution</td>
</tr>
</tbody>
</table>
Increased efficiency, by reduction in operating time and costs for owner/operator

- Electric/hydraulic davits for fender handling
- Slewing and pivoting executions, complete with single line lay-out
- Safe working environment for crew
- Integrated own HPU system or to be connected to ship's hydraulic supply
- Integrated davit control station

### SLEWING FENDER DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM-F Series</td>
</tr>
<tr>
<td>&lt; 15 kN</td>
</tr>
<tr>
<td>SFD Series</td>
</tr>
<tr>
<td>15 kN - 60 kN</td>
</tr>
</tbody>
</table>

### PIVOTING FENDER DAVITS

<table>
<thead>
<tr>
<th>Safe Working Load (SWL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD Series</td>
</tr>
<tr>
<td>60 kN - 180 kN</td>
</tr>
</tbody>
</table>
RHIB RECOVERY INSTALLATION

- Stem entry system
- Extremely fast and safe operation up to high sea states
- One-man operation for launch and recovery
- Innovative and automatic hydraulic launch & recovery system
- Automatic hook arrester system
- Minimized maintenance requirements

CRANES FOR SOLAS APPLICATIONS

- Suitable for combined handling of stores, life raft and/or rescue boat handling as well as man riding
- Designed to withstand high demands and corrosive atmosphere in marine & offshore environment
- Range of standard crane designs which can be adapted in order to meet specific needs
- Small footprint for easy installation on board
- Crane housing with integrated power pack unit
- Delivered as one complete pre-assembled and tested crane system
- Winches can be equipped with constant tensioning system

For a wider range of Marine & Offshore cranes, please visit www.palfingermarine.com
PALFINGER NED-DECK is the only life-saving equipment manufacturer that is capable of supplying to its customers a SOLAS-approved Combined Automatic Release Hook specially designed to handle rescue boats and/or life rafts up to a safe working load of 36 kN.

The CAR 35 has been on the market since 2000 and has proven to be very successful, user-friendly and – most important of all – SAFE.

Using the CAR 35 hook has several advantages:

- LOW maintenance: The CAR 35 hook is 99% stainless steel!
- HIGH quality and well priced
- SAFE for the crew: When deploying a rescue boat, the crew only needs to operate one (1) hook, which increases the safety for the crew: There is no additional life raft hook potentially swinging against the crew members
- SAVES money: You only need to buy one (1) CAR 35 hook for both life raft and rescue boat handling.
- EASY to use: One hook for two applications. In distress, people using the CAR 35 hook do not need to worry about which hook is to be used for life raft handling or rescue boat handing
- The CAR 35 is available from stock
- Please contact our service department for the CAR 35 replacement programm
We reserve the right to change design and specification without prior notice. Applications shown in the leaflet do not always correspond to the standard specifications. Country-specific regulations must be considered for the crane installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.