

THE MILITARY WORLD OF PALFINGER



PALFINGER - LHS LOAD HANDLING SYSTEM

From permafrost to the sandy desert, the PALFINGER LHS provides efficient military support to the logistical demands of many different missions. With over 35 years experience in the market, the Load Handling System provides customized and individual solutions to meet varied demands of a multitude of forces. Load Handling Systems from PALFINGER comply to STANAG 2413, ISO 668 and DIN 30722 standards.

Various container lengths can be accommodated by using options like a variable horizontal hook arm which provides consistent center of gravity handling.

Capacity from 3.5t to 35t

Length of container from 3.250mm to 7.750mm



CRAYLER

The PALFINGER CRAYLER opens up a range of new possibilities in military logistics. Among the wide field of applications, the CRAYLER can be used as a forklift or even a towing device for trailers, generators or helicopters. The CRAYLER can also be fitted with a camera assisted grab for expanded un-manned operation.

The unique combination of air transportability (fixed- and rotary-wing aircraft), high payload-to-weight ratio, and off-road capability enables efficient usage even in extreme situations.

The CRAYLER is easy to operate by remote control. Separation of man and machine enables operation in dangerous areas without putting the operator at risk.

The hydrostatic four wheel-drive system allows the CRAYLER to load itself easily onto any kind of carrier by using two ramps. Because of its compact dimensions the CRAYLER is suitable for Air- (HCU), Land- (carrier-vehicle or trailer) and sea transport (ISO-container) or by using its own stackable transport box.



NSN 3930 – 41- 001-2748

	with wheels	with rubber tracks
Capacity @ 600 mm	1.300 kg	1.600 kg
Side shift	+/- 150 mm	+/- 150 mm
Radio Remote Control	up to 300 m	up to 300 m
Drive system	4x4 all-wheel-drive	4x4 all-wheel-drive
Fuel	Diesel/F63	Diesel/F63
Lifting height	2.810 mm	2.870 mm
Dead weight (incl. forks)	2.200 kg	2.430 kg
Length	2.530 mm	2.725 mm
Width	1.820 mm	2.057 mm
Height (in transport position)	965 mm	1.040 mm

CR253 HD HEAVY DUTY

PALFINGER CRAYLER – Many different models for many different applications. Designed to ANSI standards and FOPS/ROPS tested, the transportable forklift from PALFINGER meets all relevant safety requirements and also offers the user best possible operating conveniences. Excellent ground clearance, a rugged chassis and advanced Twin-Loc™ drive system provide confident operation for military operations, even over rough terrain. In addition, the center-seated operator's position provides a confident perspective and optimal visibility in all directions.



CR253 HD

Load capacity	2.500 kg/600 mm
Engine	4 cyl. diesel engine, 47.8 kW (65 hp)
Dead weight (without forks)	2.460 kg
Lifting height up to	3.700 mm

PALFINGER BOATS

The motorboat of the old coast guard represents the spirit, resiliency and the sacrifice of volunteering for our wellbeing each day. Your life is at stake, and it is only fair to have the same protection and safety for your equipment in order to perform your tasks the best you can.

We do not boast by making advertising claims of “high-quality” or “reliability”, which any operator should demand of their equipment and every manufacturer should strive to achieve. Someone’s life is at stake in every mission, and risk is not an option!

As a result, we at PALFINGER boats decided to pass our technology and policy on to the armed forces in order to ensure they

come home. That is why we are continuously developing new products in addition to improving current models. Innovation saves lives, and we have been innovating for many years. Our current product range includes boats made of GRP and aluminium, rigid boats, and RHIBs measuring 6–24 meters.

Our boats include characteristics such as: Launch technology, outboard motors, inboard motors in armed compartments, with bulletproof protection up to 12.7 mm, etc.



PB 1100 G RIB



PB 1100 G RIB

Hull material	GRP
Total length	10.500 mm
Overall beam	2.950 mm
Overall height	2.950 mm
Lightship weight	Approx. 3.300 kg
SWL incl. petrol, inventory, 6 persons	Approx. 5.050 kg
Speed incl. 3 persons	50 knots
Motor	Twin Yamaha 300 HP

RELIABILITY STARTS AT THE DESIGN



FMECA

Before a new series of cranes is released to the market, the engineering team and representatives of all relevant departments at PALFINGER review its design at FMECA analysis workshops.

FIELD DATA ANALYSIS

PALFINGER deploys a worldwide system to monitor all kinds of maintenance activities. Any new series is developed based on this data to assure an increase in reliability of the series.

FINITE ELEMENTS TECHNOLOGY

High-tech manufacturing. For years now all the loadbearing parts have been computer designed applying finite elements technology to ensure an optimized weight-saving design.

STRESS TEST

Taking the design from the computer screen to the test hall, PALFINGER subjects its components to extremely rigorous stresses in modern hydro-pulse testing facilities. These tests pinpoint areas of potential failure before manufacturing and provide further confidence and lower cost of operation for the customer.

VIBRATION TEST

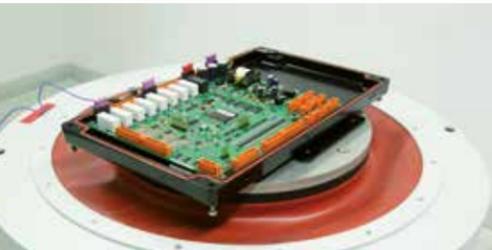
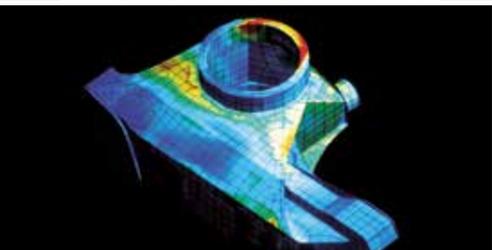
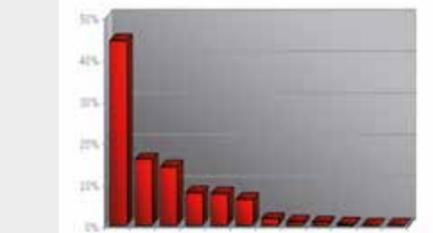
To evaluate the mechanical impacts on electronics, PALFINGER subjects critical components to lifecycle vibration tests.

CLIMATIC EXPOSURE TEST CABINET

Critical components (control spools and electronics) are tested in a climatic exposure test cabinet which simulates rigorous environmental conditions.

FIELD TESTING

Before a new system gets approved, prototypes undergo extensive field testing and operation.



INTEGRATED LOGISTICS SUPPORT

SPARE PARTS DELIVERY

Authorized PALFINGER Spare Parts Centers are strategically located worldwide to guarantee that spare parts are delivered in the most efficient manner and packaged appropriately for the smoothest delivery process. On average, 1000 orders are successfully processed by PALFINGER Spare Parts Centers each day.

PALFINGER SERVICE

With over 4,500 sales and service locations worldwide, PALFINGER provides an unparalleled service network. As a service champion in the industry, we support our clients throughout the entire lifecycle of a product – from initial contact through the after-sales support and the provision of spare parts and service.

PALFINGER TRAINING

Our service is provided exclusively by an expert customer service staff that is qualified and kept up-to-date with the current service standards, latest technologies and relevant regulations by the PALFINGER University. Customized training packages are also provided to our costumers.

Trainings are offered for the following levels:

- Level 1: Operation and daily service
- Level 2: Technician training
- Level 3: Advanced training for shop personnel

RELIABILITY PREDICTION

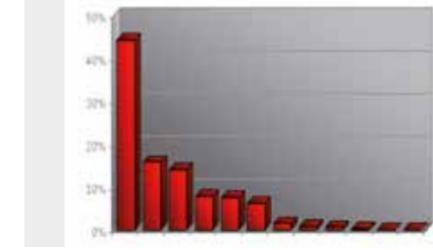
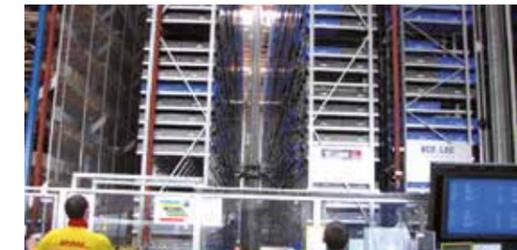
Maintenance plans and customized spare parts proposals are based on field data analyses.

PATIS-ONLINE

PATIS Online provides PALFINGER customers with remote access to complete information on technical product data, spare parts catalogues, user manuals, guidelines for mounting, diagrams of hydraulic systems and much more for all PALFINGER products.

PALDIAG

The PALFINGER diagnostic software – PALDIAG – provides a means to easily monitor the status of the equipment or change its settings.



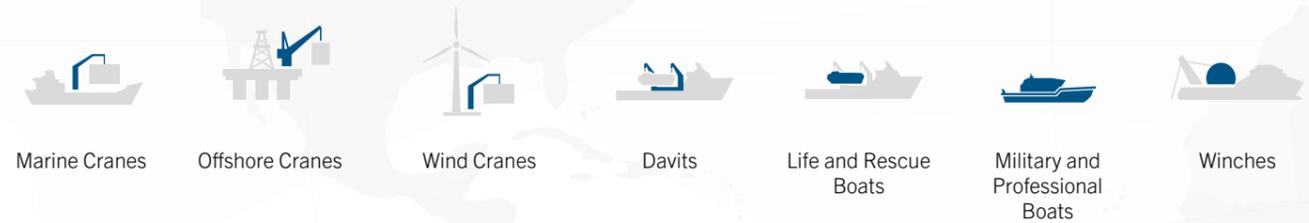
PALFINGER PORTFOLIO



Loader Cranes Hookloader Skiploader Tail Lifts Passenger Lifts Railway Systems Truck Mounted Forklifts



Access Platforms Bridge Inspection Units Equipment Contract Manufacturing EPSILON Timber and Recycling Cranes Pick up Lifts Container Carriers



Marine Cranes Offshore Cranes Wind Cranes Davits Life and Rescue Boats Military and Professional Boats Winches



Lifting and Handling Equipment Bulk and Bunkler Handling Equipment Fenders



Cable Hoists ETI Solutions Hoists Service Cranes PAL PRO Mechanic Trucks Truck bodies

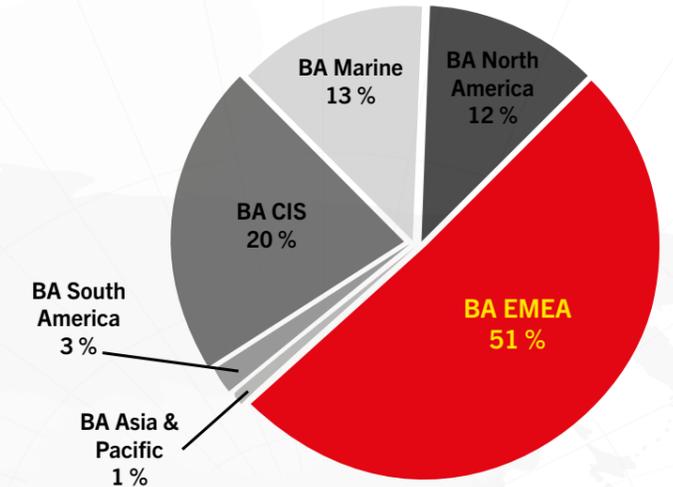
PALFINGER AT A GLANCE

PALFINGER IS A LEADER IN TECHNOLOGY AND NUMBER ONE WORLDWIDE FOR:

- Loader cranes
- EPSILON timber and recycling cranes
- Hooklifts
- Offshore cranes
- Wind cranes

A DEEP GLOBAL IMPACT:

- 200 independent general importers
- 5,000 sales and service outlets
- Global acquisition, production and assembly and over 30 assembly and manufacturing locations



EMPLOYEES BY REGION

MILESTONES - HISTORY



1932
Richard Palfinger founded a repair and mechanic's workshop.



1964
Specialisation in hydraulic truck-mounted loading cranes.



1989
For the first time export rate above 90 percent, presence in more than 70 countries.



1999
IPO in June 1999.



1992 - 2018
Continuous diversification and internationalisation with products at the interfaces of the transport chain.



FUTURE
PALFINGER will further strengthen its position as a technology leader.

PALFINGER AG

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