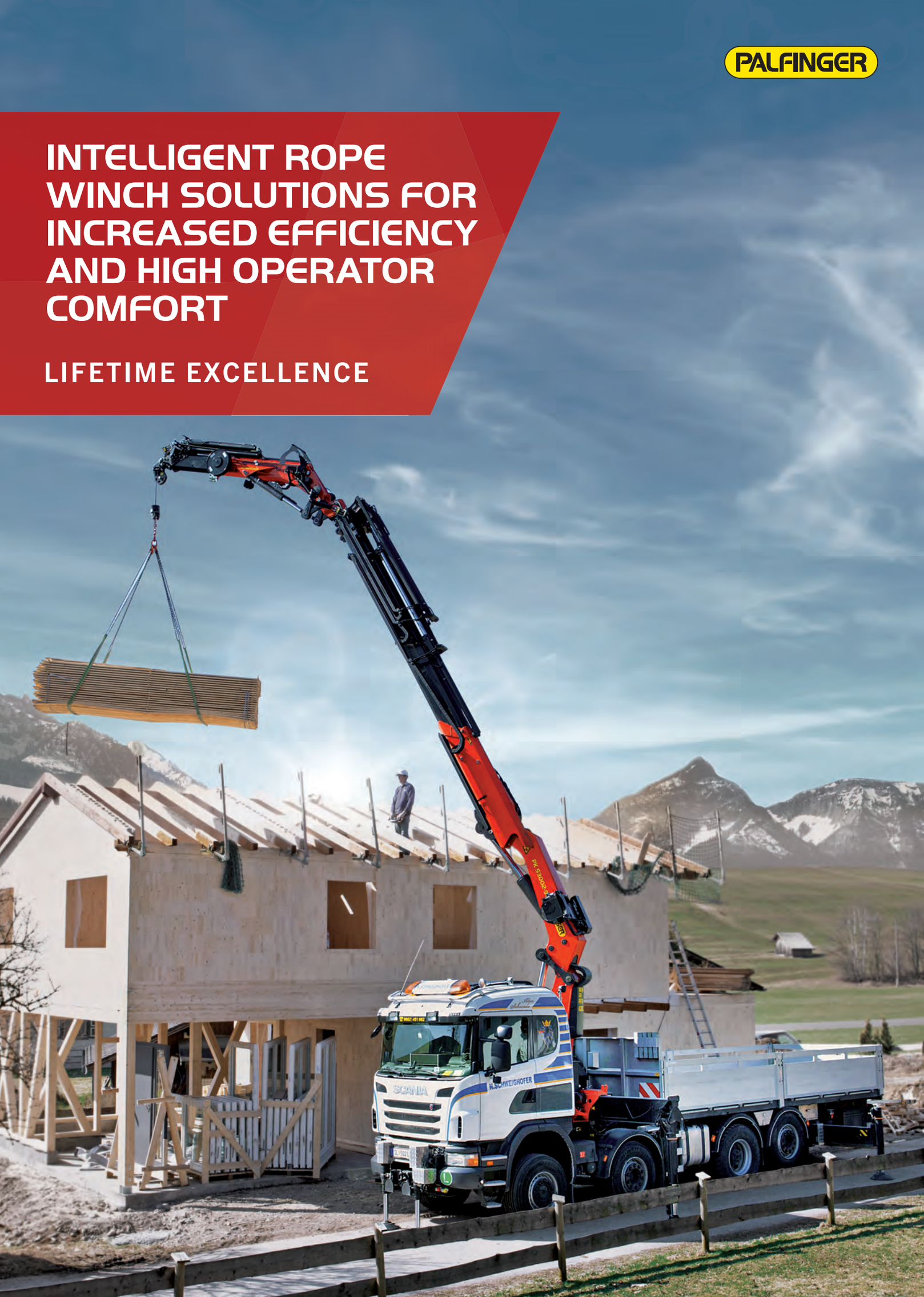
PALFINGER

# INTELLIGENT ROPE WINCH SOLUTIONS FOR INCREASED EFFICIENCY AND HIGH OPERATOR COMFORT

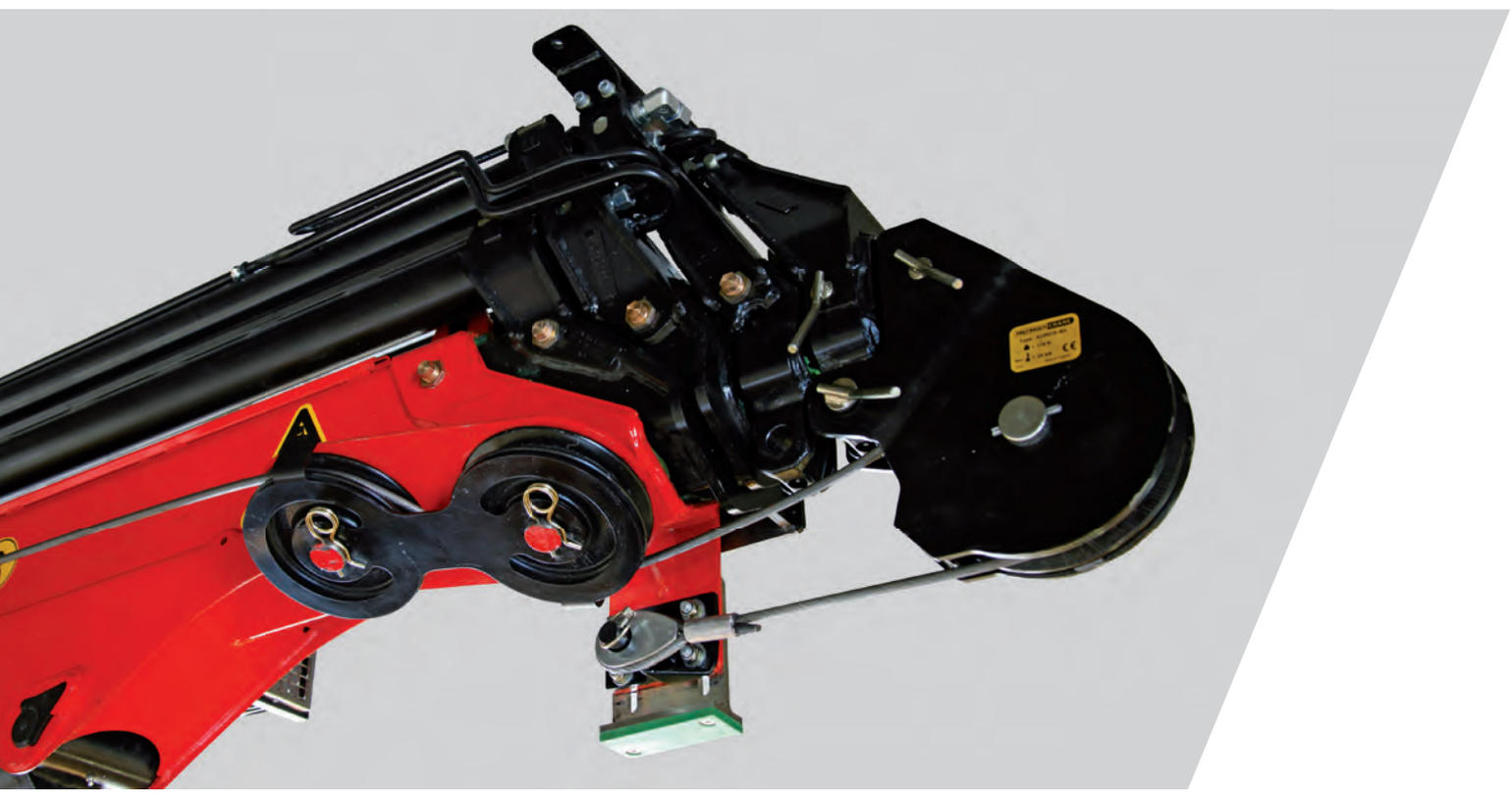
## LIFETIME EXCELLENCE



SCANIA

REWE
SEGMÜLLER

# COMFORT CABLE ROUTING



## PRODUCT FEATURES

The lateral routing of the rope for the rope winch (Comfort Cable Routing) on crane/fly jib combinations represents a major benefit in terms of comfort and time savings during set-up.

## AVAILABLE FOR

- See rope winch matrix on page 11

## HOW IT WORKS

On all fly jib combinations, the rope of the winch is now routed laterally. It is no longer necessary to take off guide pulleys or intermediate pulleys when the crane is folded for transportation. The pulley head can also remain at the end of the boom and is simply moved to a special stowage position.

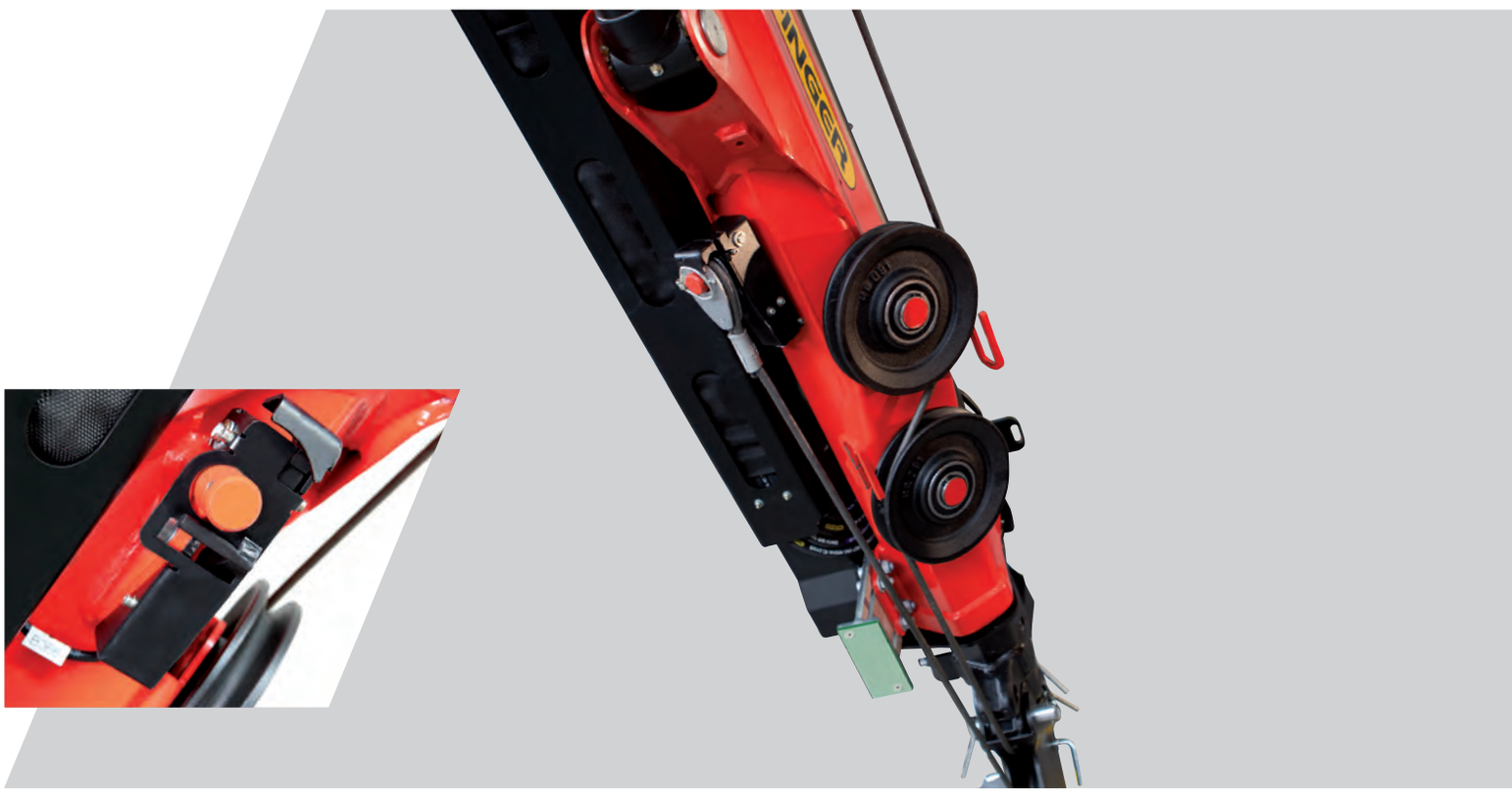
And – last but not least – the rope itself can always remain reeved in when folding and unfolding the crane.

## CUSTOMER BENEFIT

**More efficiency in use**

- Significant shortening of set-up times

# RTC - ROPE TENSION CONTROL



## PRODUCT FEATURES

The new RTC (Rope Tension Control) system is an automatic rope tensioning device that helps to fold and unfold the crane. This is a further innovation from PALFINGER that will significantly shorten the set-up time.

## AVAILABLE FOR

- SH cranes with a fly jib (PJ), rope winch on the main boom or Power Link Winch and comfort cable routing
see rope winch matrix on page 11

## HOW IT WORKS

The Rope Tension Control can be activated or deactivated as required via the remote control, which is included as standard. All that needs to be done is for the rope to be clamped into the rope fixing point and secured via a rope securing bolt.

If any crane movements are performed that affect the rope length, the innovative system automatically adjusts the rope length to match.

The RTC system is controlled by the Paltronic 150 of the PALFINGER crane.

## CUSTOMER BENEFITL

**Operator-friendliness**

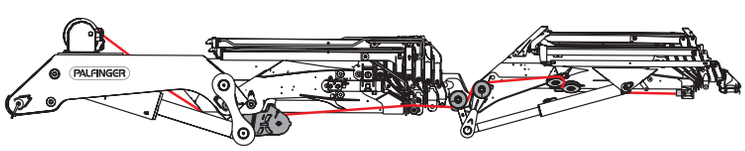
- The crane operator is free to focus all attention on the process of folding and unfolding the crane, without constantly having to worry about adjusting the rope

**More efficiency in use**

- Temporary hook operation with fly jib and reeved-in rope is possible. The time-intensive process of removing the rope is no longer necessary

**Safe crane operation**

- Rope damage is avoided



# SRC - SYNCHRONISED ROPE CONTROL

## PRODUCT FEATURES

The SRC (Synchronised Rope Control) system maintains a constant distance between the pulley head and the hook block. This advantage is particularly valuable in terms of ease of use for the operator, and it also noticeably improves the efficiency of any operation.

## AVAILABLE FOR

- See rope winch matrix on page 11

## HOW IT WORKS

Sensors in the pulley head detect the movement and forward the signals directly to the Paltronic. If the SRC is activated, it automatically keeps the distance between the pulley head and the hook block constant during any crane movements that increase or decrease the rope length. A sensor on the pulley head detects that a rope length decreasing movement is being performed, when the boom is being extended. If the knuckle boom or fly jib is lowered, the SRC also adjusts the rope winch to keep a constant distance between the hook block and the pulley head.

## CUSTOMER BENEFIT

**More efficiency in use**

- The load attached to the winch can be traversed horizontally at a constant height
- The load attached to the winch can be traversed at a specific angle
- The loading cycle is significantly improved

**Operator-friendliness**

- The crane driver can focus all attention on the actual crane movements

**Safe crane operation**

- Particularly for less experienced crane operator, the system offers great assistance when working with the rope winch
- Avoidance of damage to the rope or load
- The hook block is prevented from running onto the pulley head
- Das Anschlagen der Unterflasche am Rollenkopf wird vermieden

# POWER LINK ROPE WINCH

## PRODUCT FEATURES

The POWER LINK rope winch, a hydraulic, hinged rope winch on the main boom, sets new standards in connection with convenience, simplification of work and time saving in rope winch operation.

## AVAILABLE FOR

- See rope winch matrix on page 11

## HOW IT WORKS

Instead of mounting directly on the main boom, the rope winch is mounted on a hinged bracket. This bracket is brought into the work position from the transport position hydraulically. A linkage system is used to redirect the linear cylinder movement (Power Link). It is operated by radio remote control.

## CUSTOMER BENEFIT

**More efficiency in use**

- GLow installation height during transport with folded up crane boom
- Low installation height when operating the rope winch
- Compact design

**Operator-friendliness**

- Quick start-up
- Easy operation with the radio remote control

# HOOK BLOCKS

## PRODUCT FEATURES

The design of the hook block plays a vital role in terms of ease of operation and the spooling behaviour of the rope winch. Different designs are available (with one, two or four lines) depending on the rope winch (1.5 t, 2.5 t, 3.5 t or 4.5 t).

## AVAILABLE FOR

**Hook blocks**

| Rope winch | one-line operation | two-line operation | four-line operation |
|---|---|---|---|
| 1.5t | • | • | |
| 2.5t | • | • | • |
| 3.5t | • | • | • |
| 4.5t | • | • | • |

## CUSTOMER BENEFIT

**Operator-friendliness**

- Perfect contact with the pulley head thanks to asymmetrical stop plate
- Optimised spooling behaviour of the rope due to the increased weight of the hook block
- Tiltable bracket for easier reeving-in of the rope

The new hook blocks have a tiltable bracket, which can be used as a support base.

# DIGITAL HOUR COUNTER
# FOR ROPE WINCH

## PRODUCT FEATURES

The digital operation-hour counter for the rope winch is installed on all models of the High Performance series. The display informs the crane operator of:

- the total operating hours of the rope winch
- the operating hours until the next service

## CUSTOMER BENEFIT

**Maintenance and service-friendliness**

- Easy to read off the total hours
- Display of the hours until the next service

# ADDITIONAL CUSTOMER BENEFITS FROM THE PALFINGER ROPE WINCHES

## CUSTOMER BENEFIT

**More efficiency in use**

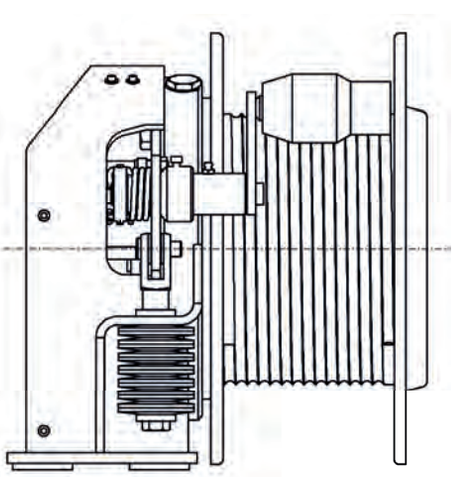
- High lifting power
- High starting torque makes it possible to start-up the rope winch under full load
- Rope lengths up to 90 meters make it possible to work with the fly-jib or in 4-line rope winch operation
- Reduced oil heating hence longer work cycles are possible
- Fast overcome of large lifting heights and up to 50% higher compared to conventional winche

**Operator-friendliness**

- Better coiling of the rope through special grooving of the drum
- Use of the tried and proven mechanical solution for extension stop and limit switch

**Increased resale value**

- Optimised corrosion protection through KTL coating



# ROPE WINCH MATRIX

| | Knuckle boom 0,8t | Main boom 0,8t | Knuckle boom 1,5t | Knuckle boom 2,5t | Main boom 2,5t | Power Link 2,5t | Knuckle boom 3,5t | Main boom 3,5t | Power Link 3,5t | Knuckle boom 4,5t | Cable Routing | RTC | SRC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC 1500** | - | ● | - | - | - | - | - | - | - | - | - | - | - |
| **PC 2700** | - | ● | - | - | - | - | - | - | - | - | - | - | - |
| **PC 3800** | - | ● | - | - | - | - | - | - | - | - | - | - | - |
| **PK 3400** | ● | - | - | - | - | - | - | - | - | - | - | - | - |
| **PK 4200** | ● | - | - | - | - | - | - | - | - | - | - | - | - |
| **PK 8.501 SLD 3** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 9.001 SLD 3** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 9.501 SLD 5** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 8502** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 9002 EH** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 10002 SH** | - | - | ● | - | - | - | - | - | - | - | - | - | ● |
| **PK 11002** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 11.001 SLD 3** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 12.001 SLD 3** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 12.501 SLD 5** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 12002 EH** | - | - | ● | - | - | - | - | - | - | - | - | - | - |
| **PK 12502 SH** | - | - | ● | - | - | - | - | - | - | - | - | - | ● |
| **PK 13.501 SLD 3** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 13002** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 14.001 SLD 3** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 14.501 SLD 5** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 14002 EH** | - | - | - | ● | ● | - | - | - | - | - | - | - | - |
| **PK 14502 SH** | - | - | - | ● | ● | - | - | - | - | - | - | - | ● |
| **PK 16002** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 17.001 SLD 3** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 18.001 SLD 3** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 19.001 SLD 5** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 18002 EH** | - | - | - | ● | ● | - | - | - | - | - | - | - | - |
| **PK 18502 SH** | - | - | - | ● | ● | - | - | - | - | - | - | - | ● |
| **PK 19502** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 20001** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 22002 EH** | - | - | - | ● | ● | - | - | - | - | - | - | - | - |
| **PK 23001 EH** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 23002 SH** | - | - | - | ● | ● | - | - | - | - | - | - | - | ● |
| **PK 23502** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 24001** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 26002 EH** | - | - | - | ● | ● | ● | - | - | - | - | - | - | - |
| **PK 27001 EH** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 27002 SH** | - | - | - | ● | ● | ● | - | - | - | - | ● | ● | ● |
| **PK 30002** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 33002 EH** | - | - | - | ● | ● | ● | - | - | - | - | ● | - | - |
| **PK 34002 SH** | - | - | - | ● | ● | ● | - | - | - | - | ● | ● | ● |
| **PK 36502** | - | - | - | ● | - | - | - | - | - | - | - | - | - |
| **PK 40002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 41002 EH** | - | - | - | ● | ● | - | - | - | - | - | ● | - | - |
| **PK 42002 SH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | ● | ● |
| **PK 44502** | - | - | - | ● | - | - | ● | - | - | - | - | - | - |
| **PK 48002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 50002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 53002 SH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | ● | ● |
| **PK 56502** | - | - | - | ● | - | - | ● | - | - | - | - | - | - |
| **PK 62002 EH** | - | - | - | ● | ● | - | ● | - | - | - | ● | - | - |
| **PK 63002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 65002 SH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | ● | ● |
| **PK 76002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 78002 SH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | ● | ● |
| **PK 88002 EH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | - | - |
| **PK 92002 SH** | - | - | - | ● | ● | ● | ● | ● | ● | - | ● | ● | ● |
| **PK 100002** | - | - | - | - | - | - | ● | ● | ● | - | ● | - | - |
| **PK 110002 SH** | - | - | - | - | - | - | ● | ● | ● | - | ● | ● | ● |
| **PK 150002** | - | - | - | - | - | - | - | ● | - | ● | - | - | - |
| **PK 165.002 TEC 7** | - | - | - | - | - | - | - | ● | - | ● | ● | ● | ● |
| **PK 200002L SH** | - | - | - | - | - | - | - | - | - | ● | ● | - | ● |

KP-SEILWINDEM3+EN

Cranes shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

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