

**PALFINGER** UK

EPSILON TIMBER & RECYCLING CRANES



**ALWAYS ONE  
GRAB AHEAD**

GENERATION 3 EPSILON CLASSIC

[PALFINGER.CO.UK](http://PALFINGER.CO.UK)

# ALWAYS ONE GRAB AHEAD

GENERATION 3 EPSILON CLASSIC GRABBING CRANE is an evolution of an already market-leading product, with technical refinements and a new direct linkage control system to create even smoother operational control.

Developed in collaboration with operators and body builders, the new EPSILON CLASSIC combines robust engineering, operator control and comfort, with the added benefit of maintaining a high residual value.



EPSILON CLASSIC is an industry icon, and the new generation's design refinements set high standards in efficiency and smooth operation. We are delighted to bring it to the UK market.

John Saint, Sales Director, PALFINGER UK

Sole distributors of the EPSILON CLASSIC in the UK.

# BUILT FOR DEMANDING GRAB APPLICATIONS

The refined design of the new PALFINGER EPSILON CLASSIC ensures fast and efficient handling of construction materials, aggregates, recycling and general grab applications, whilst the robust boom delivers exceptional stability and durability for high productivity with heavy-duty continuous cycles.

A signature feature of EPSILON CLASSIC is stabiliser legs mounted within the vehicle width, enabling the operator to arrive on site, and quickly set up without the risk of legs interfering with traffic and pedestrians.



# PRODUCT FEATURES

## GENERATION 3 IN DETAIL



**Sealed Joints**

Sealed joints with brass bushings and integrated seals protect against dirt and water, reducing the need for lubrication and extending service life.



**Catwalk**

Connecting the left and right high-stand controls.



**Double Slewing System**

Two slewing cylinders on each side provide powerful and efficient crane rotation, ensuring strong and reliable slewing performance.



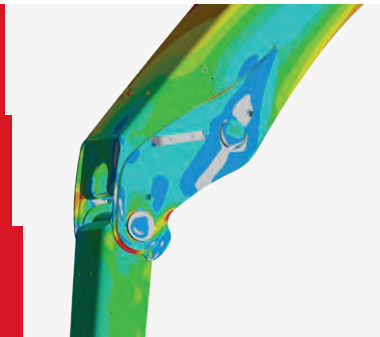
**Load Holding Valves**

Load Holding Valves secure the crane load in case of hose rupture or leakage, preventing uncontrolled lowering, and increasing operational safety.



**Cathodic Dip Coating (KTL)**

Provides corrosion protection and a durable surface finish, ensuring long-lasting reliability, even in harsh working environments.



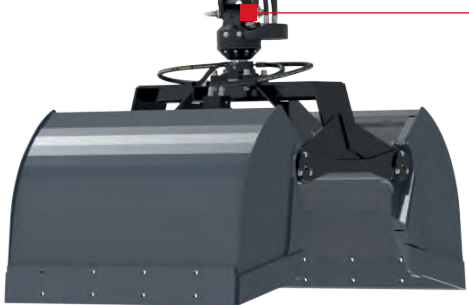
**Finite Elements Optimised Structure**

Designed using advanced Finite Element Analysis (FEA) to ensure optimal strength, durability and weight distribution for demanding operations.



**Powerful Work Lights**

High-performance 1000-lumen work lights ensure excellent visibility for safe and efficient operation in all working conditions.



**EPSLINK**

The patented EPSLINK system protects the hydraulic hose routing at one of the most exposed points of the crane, increasing reliability and durability in daily operation.



**Boom Protection**

A durable rubber buffer on the underside of the knuckle boom protects the arm when the crane is raised during body tipping, preventing damage if the grab swings against the boom.

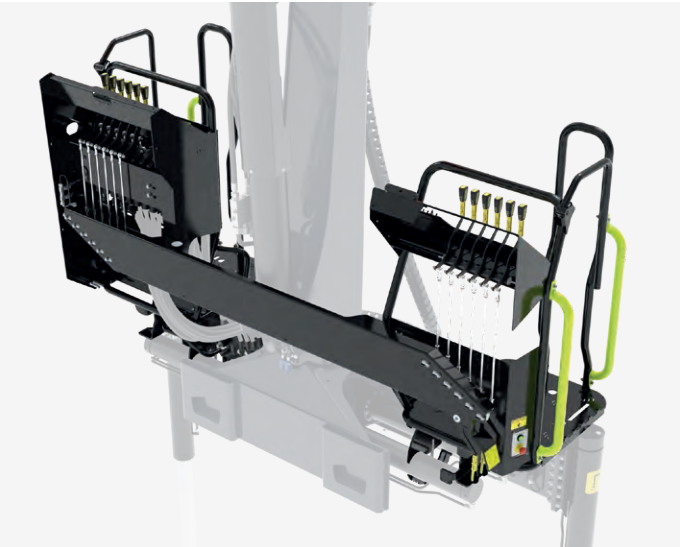


**EPSCOPE**

The proven EPSCOPE telescopic system features internally routed hydraulic lines for protection. Its double-extension design ensures fast crane movements, excellent reach and a compact transport position on the truck.

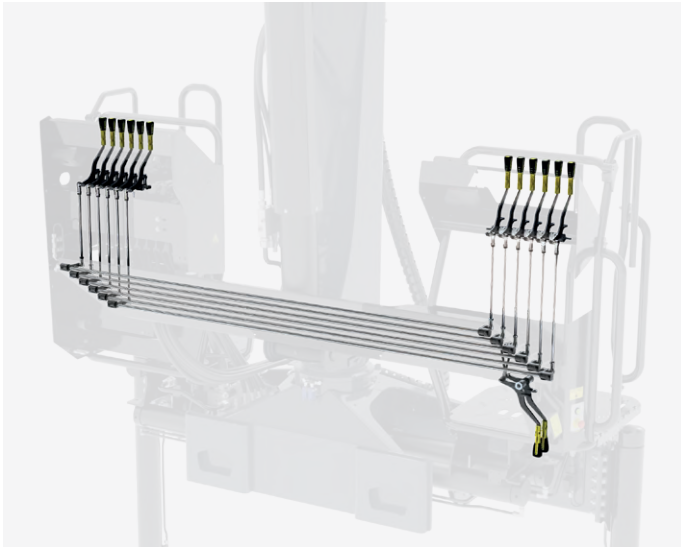
# OPERATING EXCELLENCE

## ONE GRAB AHEAD



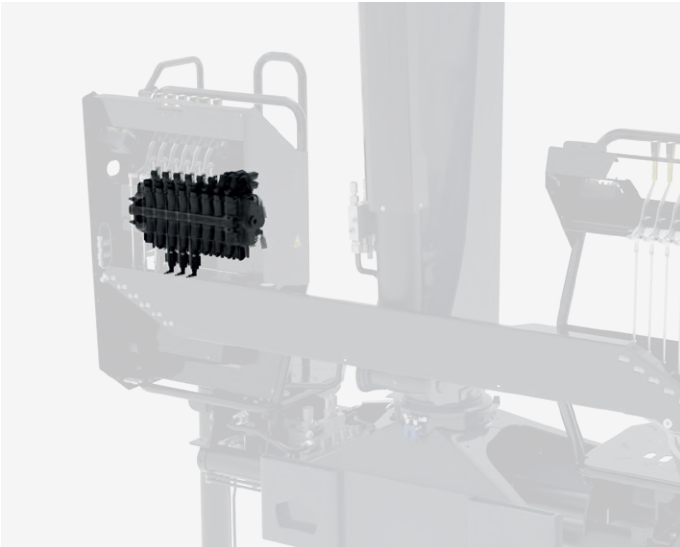
Operating Visibility

The EPSILON stand-up controls allow the crane to be operated equally well from both sides of the vehicle, providing maximum flexibility on the job site. Operators can always choose the best position for a clear view of the working area.



Robust Mechanical Linkage

A durable mechanical linkage connects both stand-up control units, ensuring consistent and precise crane control from either side of the vehicle. It guarantees reliable operation in all weather conditions.



High-Performance Control Valve

The Control Valve ensures precise and responsive crane control.



Ground Control

Allows the operator to raise the crane from the ground when tipping the body, saving time while improving safety and comfort.



Driver-Focused Control Layout

Both stand-up control units provide a clear, driver-oriented layout, creating comfortable and efficient working positions.



Control Levers

Illuminated ergonomic control levers with excellent grip, allow precise and responsive crane operation even in low-light conditions.

# ENGINEERING PRECISION ONE GRAB AHEAD

Every detail of a PALFINGER EPSILON crane is designed with durability, reliability and serviceability in mind. From the base to the crane tip, hydraulic lines and hoses are carefully routed, organised and protected to minimise exposure to external damage. This clean and well-structured hose routing not only protects critical components but also ensures easy access for inspection and maintenance. The result is a crane system that operates reliably in demanding environments whilst giving operators **predictable servicing and maximum uptime.**



Compact Hose Package on the Column

A compact hose package along the crane column keeps hydraulic lines protected, neatly arranged and out of the operator's line of sight.



Hose Routing Main Boom

Hydraulic lines routed along the upper side of the main boom, neatly arranged and well protected.



Main Boom - Knuckle Boom Transition

At the connection between the main boom and the knuckle boom, hydraulic lines are routed internally and protected by a dedicated cover. This safeguards the hoses even in transport position and helps prevent damage during operation.



The Patented EPSCOPE System

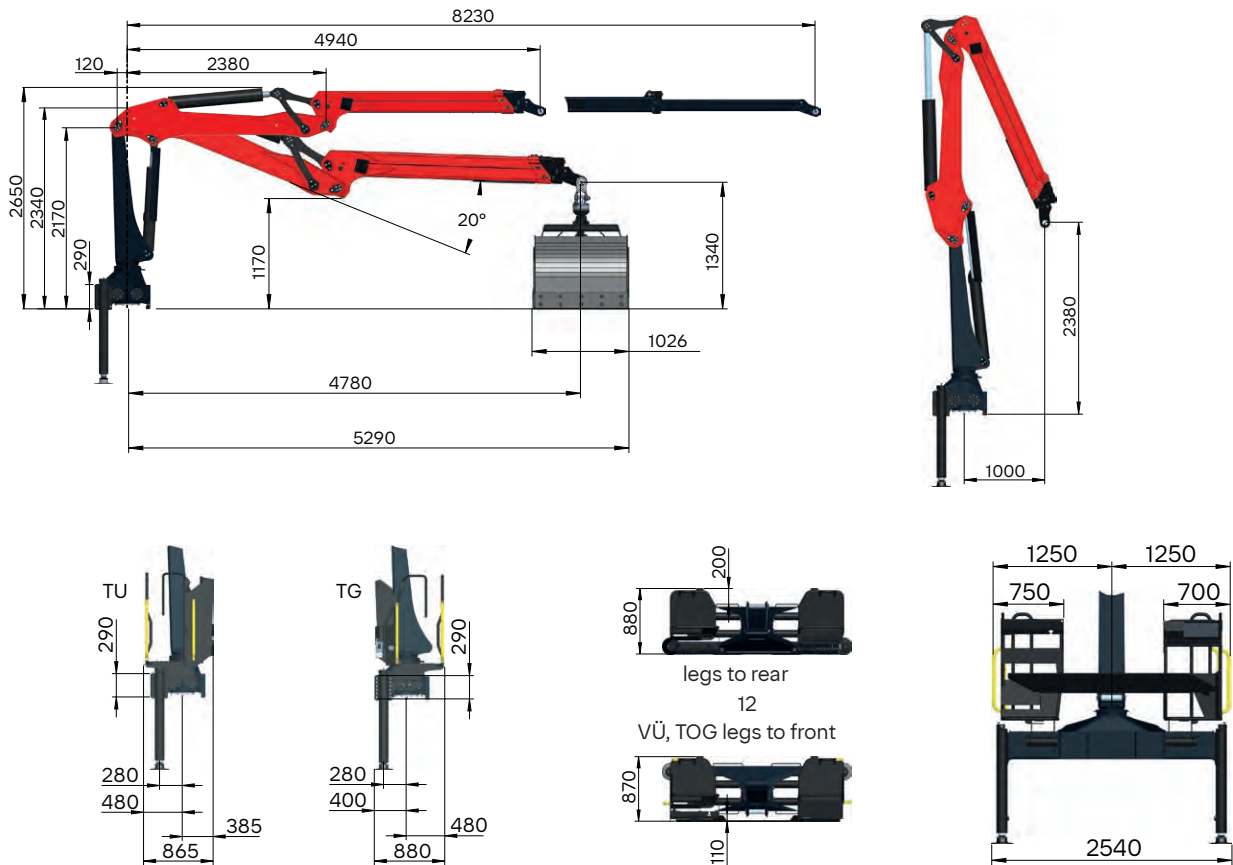
Hydraulic hoses are routed internally for maximum protection. Together with EPSLINK, hoses remain protected all the way to the grab.

# TECHNICAL SPECIFICATION

## AN INDUSTRY ICON

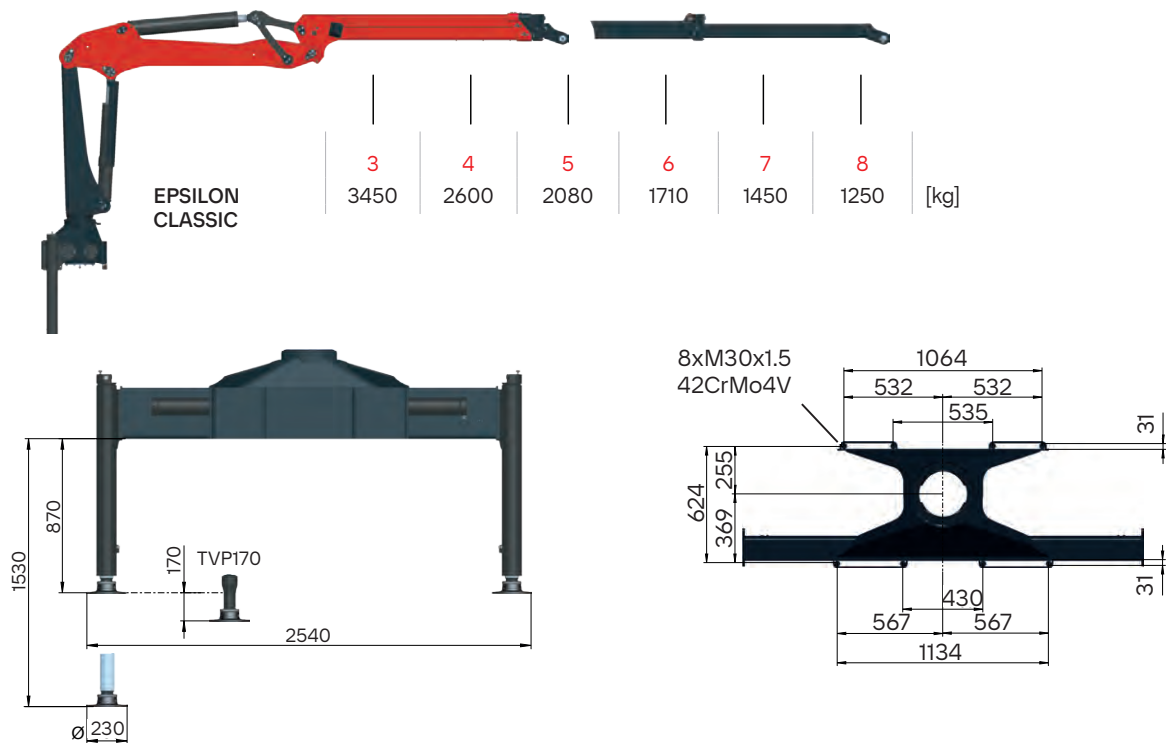
For over 20 years, the EPSILON CLASSIC concept has proven itself in demanding daily operations. Built for simplicity, durability and reliability, it remains a trusted choice for the construction and waste industries.

Support legs within the vehicle width, straightforward maintenance, and the reliable CERM safety system, ensure stability and safe operation. Known for its strong resale value, dependable performance, and simplicity of operation, the EPSILON CLASSIC legacy continues.



## EPSILON CLASSIC

|                                                            |         | 82   |
|------------------------------------------------------------|---------|------|
| Lifting moment net                                         | [kNm]   | 105  |
| Slewing torque net                                         | [kNm]   | 28   |
| Slewing angle                                              | [°]     | 425° |
| Max. outreach                                              | [m]     | 8,2  |
| Operating pressure                                         | [bar]   | 250  |
| Recommended pump capacity                                  | [l/min] | 70   |
| Dead weight (including legs and catwalk, excluding bucket) | [kg]    | 2150 |



# SPECIALIST AFTERSALES FOR LIFETIME EFFICIENCY

PALFINGER UK know the importance of providing the highest standards of aftersales to keep your vehicles operational and to increase lifetime ROI. We have invested in extensive staff training for our depot staff, and our Mobile Engineers to ensure customer vehicles are maintained to a high standard.

Our experienced technicians use PALFINGER approved diagnostics, mechanical equipment and processes. PALFINGER UK can generally supply product parts within a 24-hour window, which helps our customers to avoid delays and downtime.

Once your new EPSILON CLASSIC crane is registered with PALFINGER UK, you have the option of accessing the PALDESK online platform for full visibility and instant access to warranty details, product manuals and everything you need for fleet compliance.



We have PALFINGER UK Service Depots in London, Devizes, Leicester, Bradford and Falkirk, each with our own, qualified technicians, service bays and fully stocked PALFINGER Parts Departments.

When a crane requires attendance at your own site, one of our 50+ highly-trained Mobile Technicians will quickly get your vehicle operational again.



Available in the UK from:

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**PALFINGER.CO.UK**

07/2026

The availability and the standard and optional equipment shown in this brochure may vary. EPSILON reserves the right to make changes to the design and technical implementation at any time and without prior notice, without undertaking in any way to transfer these to units that have already been sold. Information, descriptions and images correspond to the current status at the time of printing, but can also be changed without prior notice. Dimensions shown may vary. Load representations are standardised illustrations and do not correspond to the optimal arm position in which the maximum lifting load can be achieved.