

**PALFINGER**

LIFETIME EXCELLENCE

# ACCESS PLATFORMS





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# TO US, “**LIFETIME EXCELLENCE**” MEANS SEEING TOP PERFORMANCE AS A MINIMUM REQUIREMENT.

LIFETIME EXCELLENCE is our promise. Our core message. Our brand essence. To our customers, it means top performance without compromise. The most cost-effective, reliable and innovative lifting solutions in a global network of expert service partners – for the entire product lifetime.

## EXCELLENCE RELIABILITY & EXPERTISE

The premium quality and high capacity of the products, the durable components and outstanding workmanship, the global service security and the stability and strength of the company make PALFINGER a reliable partner for professionals.

SUPPORT

## EXCELLENCE SERVICE & LOCATIONS

The combination of outstanding products, a sharp customer focus and expert service makes up the overall concept behind PALFINGER and is enhanced by a global dealer network and local sales and service partners.



## EXCELLENCE EXCELLENCE ECONOMY & EFFICIENCY

PALFINGER products boast an outstanding price-performance ratio. The high level of productivity, ease of operation, tightly knit service network and high resale value mean that an investment in a PALFINGER product more than pays for itself over its service life.

## PERFORMANCE

## SAFETY

## SERVICE

## EXCELLENCE INNOVATION & FLEXIBILITY

PALFINGER is committed to leadership in innovation. Ground-breaking developments have revolutionised products in the past, and intelligent system solutions and unique functions from PALFINGER will continue to shape the industry and new product developments in the future, too.

## EXPERTISE

# PRODUCT CLASSES

## A ONE-STOP SOLUTION FOR ALL REQUIREMENTS



### TOP CLASS FLYING HIGH



- Cost-effective
- Easy, user-friendly handling and operator comfort
- Optional all-terrain chassis for off-road use



### JUMBO CLASS MAXIMUM VERTICAL RANGE



- High stability and sensitive controls ensure safety and operator confidence
- High mobility means that you can access even difficult-to-reach working positions
- Enables high basket loading capacities and simple material transport



### PREMIUM CLASS IDEAL ALL-ROUNDER



- Platform mode enables time-saving maintenance work
- Stabiliser control at the rear of the vehicle
- The counter slewing system makes it the most manoeuvrable in its class



### LIGHT CLASS INDIVIDUAL VEHICLE CONFIGURATION ACCORDING TO NEEDS



- Robust aluminium telescope for use in rough conditions
- Allows work below ground level
- Wide range of vehicle concepts can be implemented



### SMART CLASS

THERE IN A FLASH, COMPACT SET-UP AND FLEXIBLE HEIGHT

- Small and clever for use in city centres
- Flexible access to heights thanks to combination of joint and telescope
- High manoeuvrability thanks to the extremely short wheelbase



### VAN CLASS

ALL-ROUNDER FOR MUNICIPAL AND ENERGY SUPPLIERS

- It couldn't be any easier – vehicle, workshop, storeroom, office and access platform in one
- A wide array of stabilisation options and optimised working area for applications without stabilisers
- Insulated as standard



### HIGH-INSULATION CLASS

WORKING WITH POWER

- Insulated for work on power lines
- Compact and efficient
- Diverse range of additional equipment for your application



### INDUSTRIES:



Leasing



Tree cutting



Municipal



Energy suppliers

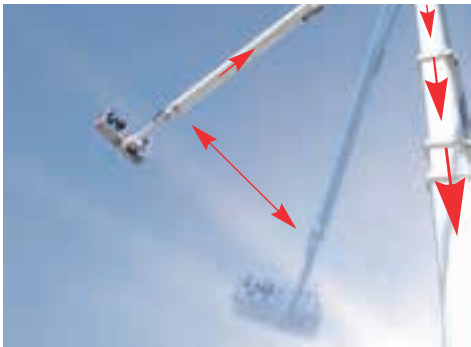


# TOP CLASS

The exceptional thing about the access platforms in the Top class is the vertical under-arm telescope, which provides an extremely high degree of stability. Unique on the market, it is available on both a Tadano All-Terrain chassis and a standard truck chassis.







### GPD—GRAVITY POWER DRIVE

GPD ensures that functional control can be maintained even when the drive engine is switched off.

- Safely back to the ground every time
- Low noise level
- No fuel consumption



### SPACE-SAVING

The machine can be set up in tight spaces if necessary.

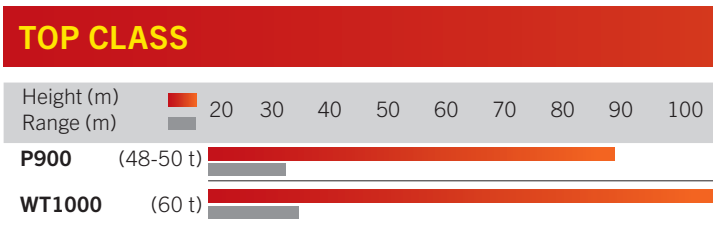
- Arm system can be slewed 90°
- Can be raised underneath obstacles
- Vehicle rear can be positioned directly next to the object



### SECOND CONTROL STAND

Standard equipment with an ergonomically designed second control stand.

- Optimum view of arm system
- Access platform controlled from the base
- Workman basket can be used for any application without restriction



# JUMBO CLASS

Tremendous performance data and unmatched freedom of movement sets the Jumbo class apart. First-rate right down to the last detail, it has been a technological market leader for decades.







**X-JIB**

Extremely manoeuvrable and flexible, this additional arm extends the radius of movement.

- 240° working area
- Automatic control for maximum performance
- Can be controlled separately for precise positioning



**BASKET**

The extendable workman basket offers the largest possible working surface.

- Optimum alignment: can be slewed 2 x 200°
- 600 kg maximum basket load
- Integrated powerlift system mounting



**STABILISERS**

Depending on application, the stabiliser system increases the efficiency of the access platform.

- Maximum jack lift enables extreme tilt compensation
- Safety plates traverse with the stabilisers
- Automatic levelling for maximum performance

JUMBO CLASS NX

Height (m)	Range (m)	10	15	20	25	30	35	40	45	50
P320	(12-19 t)									
P480	(18-26 t)									
P5XX	(26 t)	Available Q1 2015								
P6XX	(xx t)	Available Q2 2015								
P7XX	(xx t)	Available Q2 2015								





# PREMIUM CLASS

Extensive standard equipment, a wide range of additional equipment and the option to assemble the system on four-wheel or standard chassis from diverse manufacturers and weight classes make the Premium class a unique access platform.





## COUNTER SLEWING SYSTEM

The space above the cab and a short wheelbase ensure compact dimensions and high manoeuvrability.

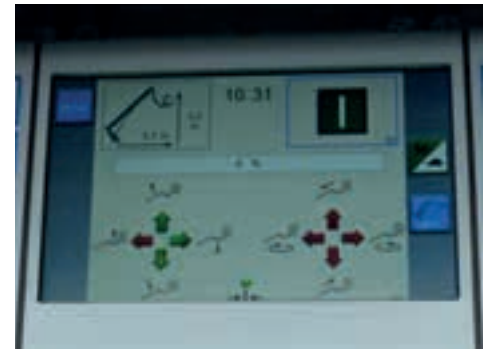
- Patented counter slewing system
- Ideal for use in tight spaces
- Slewing possible within the vehicle width



## STABILISER CONTROL ON THE GROUND

Operating the fully variable stabiliser system on the base saves time in positioning the safety plates.

- Best use of the available space with the fully variable stabiliser system
- High level of safety due to excellent view of surroundings and the safety stabiliser design
- Short routes to efficient positioning of the safety plates



## GRAPHIC COLOUR DISPLAY

The large graphic colour display shows all the important information, while the easy-to-use control panel enables rapid intervention.

- Safe guidance through the individual work steps
- Simple, symbol-based representation of the current situation
- Detailed information on operating statuses

## PREMIUM CLASS

Height (m)	5	10	15	20	25	30	35
Range (m)							
<b>P300KS</b> (7,49-13 t)							
<b>P230</b> (7,49-15 t)							
<b>P300</b> (7,49-15 t)							





# LIGHT CLASS

Designed for chassis up to a gross weight of 3.5 t and thus for holders of passenger car driving licences, the Light class can also be mounted on chassis of 5 t and 7.49 t and all the way up to four-wheel chassis with permissible gross vehicle weights of 11 t.







## ALUMINIUM TELESCOPES

The complete telescope system and the jib boom consist of single-piece, extrusion-pressed aluminium profiles.

- Accurate profile dimensions due to extrusion aluminium pressing process
- Profile wall thickness up to 7 mm depending on requirements
- Telescopic profiles pressed from one piece prevent weak points at weld seams



## WORK BELOW GROUND LEVEL

The telescopic arm system is suitable for work below road level, such as inspecting small bridges or cleaning façades.

- For use up to 2 m below road level
- Expanded range of use
- Fast and direct access to the object



## FLEXIBILITY

Jib boom and stabiliser system increase the efficiency of the access platform and improve safety in the supported position.

- The aluminium jib boom can even reach working areas behind obstacles
- The jib boom allows platform mode, tunnel inspections and street lamp maintenance to be simplified as standard
- Shorter set-up times thanks to three stabiliser modes, automatic levelling and ground clearance monitoring

## LIGHT CLASS

Height (m)	2	4	6	8	10	12	14	16	18	20	22	24	25	26
Range (m)														
<b>P210BK</b> (3,5-11 t)														
<b>P220B</b> (3,5-7,49 t)														
<b>P260B</b> (3,5-7,49 t)														



# SMART CLASS

Fully hydraulic control makes operating the Smart class access platforms intuitive and extremely straightforward. The KIT assembly enables the system to be installed on almost any carrier vehicle.







## PANTOGRAPH

The patented pantograph combines joint and telescope to form an access platform with a joint/telescope system.

- Shortest access platform in the 3.5 t class
- Highly manoeuvrable thanks to short wheelbase
- Enables work above buildings



## WORKMAN BASKET – A SPECIALITY

The aluminium workman basket offers two entry options – via a raised entrance on the side of the vehicle or directly from the ground at the front.

- The special shape offers plenty of space without colliding with the telescope system
- A simple switch from an aluminium to a plastic workman basket means it can be ready for use more quickly
- 2 x 90° slewing radius and 230 kg basket load



## STABILISER VARIANTS

Equipped as standard with a robust A-type stabiliser; H-type stabiliser optional.

- A-type stabiliser: a stabiliser configuration with diagonal stabiliser cylinders
- H-type stabiliser: stabiliser with extendable outrigger and vertical stabiliser cylinder

## SMART CLASS

Height (m)	Range (m)	3	6	9	12	15	18	21
P140T	(3,5-18 t)							
P170T	(3,5-18 t)							
P200A	(3,5-18 t)							
P240A	(3,5-18 t)							





# VAN CLASS

Based on the specific application and customer, the Van class can be kitted out completely with special interior equipment to become a mobile workshop suitable for any application.





### PLASTIC WORKMAN BASKET

Entry into the standard plastic workman basket is made via a rear platform from inside the vehicle.

- Ergonomic, vertical entry
- High basket load of 235 kg
- Robust D-Box can be added



### 1,000 V INSULATION EX WORKS

With its 1,000 V insulation fitted ex works, the access platforms in the VAN class are particularly suitable for municipalities and energy suppliers.

- Ideal for energy suppliers
- 1,000 V insulation without additional costs
- Protected control panel in a plastic box



### UNIVERSAL

The load moment limitation system offers additional options for stabilisation and in the working area.

- Extended working area at the rear of the vehicle
- Work possible without stabilisers
- Quick, efficient maintenance of tunnels or street lamps

## VAN CLASS

Height (m)	Range (m)	2	4	6	8	10	12	14	16	18
<b>P120V</b>	(3,5-5 t)									
<b>P130V</b>	(3,5-5 t)									
<b>P140V</b>	(3,5-5 t)									
<b>PD110V</b>	(3,5-3,5 t)									
<b>PD115V</b>	(3,5-3,5 t)									

Height (m)	Range (m)	2	4	6	8	10	12	14	16	18
<b>PD135V</b>	(5-5 t)									
<b>PD140V</b>	(5-5 t)									
<b>PD145V</b>	(5-5 t)									
<b>PD162V</b>	(7 - 7,49 t)									



# HIGH-INSULATION CLASS

The insulated access platforms of the High-Insulation class save time and money when working under high voltage.







### GFRP JIB BOOM

The jib boom made from glass fibre offers insulation protection for up to 500,000 V for the access platform.

- UV-resistant
- Dielectric strength as per ANSI 92.2
- Extra-large corona ring



### EASY & SAFE

The safety checks before the access platform is used in high-voltage environments are the top priority.

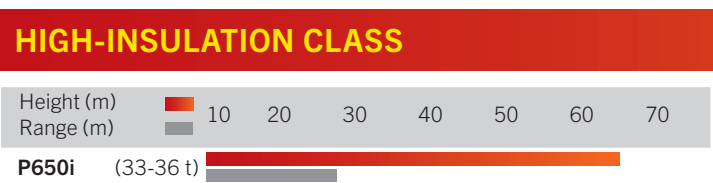
- Large inspection window for the everyday checking of valves and of hydraulic and glass-fibre lines
- All inspection points can be found in the extra-large corona ring
- Watertight inspection glass for dry canisters, including quick and easy removal

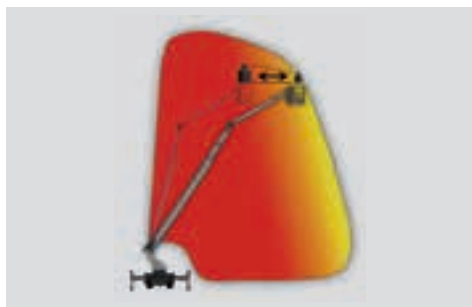


### EFFICIENT

Safety and efficiency are the focus of work with High-Insulation access platforms.

- PALFINGER's home function allows the access platform to be folded down quickly and conveniently
- Automatic levelling of the access platform saves time and ensures accurate alignment for maximum performance
- Continuous ground pressure monitoring allows operation only under absolutely stable conditions





### RANGE OPTIMISATION (LOAD MOMENT LIMITATION)

Range optimisation at the highest level. We don't limit your working area with a particular load – we give you the maximum performance for any load.

- Maximum range
- Adjusted to suit the available space
- Adapted to the application



### SAFETY PLATES

PALFINGER safety plates are optimally coordinated with the access platform and enable the system to be set up securely on any surface.

- Stable standing position
- Stackable
- Anti-slip surface
- Centering aid



### HANDLING

Whether moving swiftly to a certain point or precisely around obstacles, the sensitive, electronically controlled proportional controller ensures complete control in every situation.

- Maximum speeds, as well as start-up and brake ramps, can be set individually
- End position damping
- Infinitely variable speed control



### GRAPHIC CONTROL PANEL

All platform functions can be easily controlled using the control panel including a graphic display.

- Safe guidance through the work steps
- Simple, symbol-based representation of current situations
- Constant information on operating statuses



### KTL COATING

Quality has always been a priority at PALFINGER. With the performance of cathodic dip painting work in two production plants, PALFINGER is establishing a standard of quality that used to only be common in the automotive industry.

- Extremely good corrosion protection
- Durable components
- Sustainable



### EMERGENCY CONTROL

In the event of a failure or emergency, we offer a large number of systems to control the machine. Easy-to-understand and, in particular, readily accessible emergency controls ensure your well-being.

- Large number of emergency controls
- Protected in all cases
- Readily available
- Simple and easy-to-understand



#### REDUNDANT SYSTEM

We lift people up – and safety is our utmost priority. Our platforms have a dual system – which means dual protection. Identical systems running in parallel ensure that you are protected.

- Added safety
- Identical queries secure zero error rate
- Fast error detection (service)



#### VERTICAL ENTRY

PALFINGER values your feeling of safety. An upright posture when entering your working area – the workman basket – offers optimum accessibility.

- Upright posture
- Clear view
- No impact risk
- Accessible even with tools



#### AUTOMATIC LEVELLING

The automatic levelling of the access platform saves time and ensures accurate alignment for maximum performance data.

- Can be set up with as little torsion as possible
- Reduced load on the chassis
- Best possible set-up for best possible performance data
- Short set-up time



#### CHASSIS

There are a wide range of chassis available for each platform type – whether higher tonnages for greater loading capacity, a higher vehicle category, more axles or four-wheel drive for off-road applications.

- Optimum adaptation to customer requests
- Compliance with country-specific regulations
- Expanded range of use



#### LIGHTWEIGHT CONSTRUCTION EXPERTISE

Aluminium profiles produced using extrusion processes and high-strength, thin steel sheets in special pressing and welding procedures are only a few of the technologies used.

- Improved machine performance
- Greater loading capacity
- The perfect balance of working height, range, basket load and gross weight



#### EFFICIENCY FUNCTIONS

PALFINGER offers a range of time-saving automatic functions to optimise working use. We aim to make our machines easy for anyone to operate.

- Home function
- Memory function
- Automatic levelling
- Vertical parallel travel





# SERVICES



## USED EQUIPMENT

We have a selection of workshop-tested access platforms in top condition available to you. We would be happy to provide you with all the technical details.



## FINANCIAL SOLUTIONS

In cooperation with an independent financial services provider, we can help you find the best conditions for financing your access platform.



## TECHNICIAN TRAINING

Find out everything you need to know about:

- What can technicians repair themselves?
- Daily visual and functional check
- Maintenance and repairs



## OPERATOR TRAINING

As an access platform operator, you take on considerable responsibility every day. With our certified training system, you can lay the foundations for optimum operation of your access platform.



**FOR MORE INFORMATION,** visit [www.palfinger.com](http://www.palfinger.com)



#### EXPERTISE CLOSE AT HAND

- Fast and expert help
- Professional installation of original replacement parts
- We operate worldwide, but we're always nearby



#### REPLACEMENT PARTS SUPPLY

Our replacement parts centre provides rapid and expert advice and service from our central warehouse in Krefeld.



#### TELEPHONE SUPPORT

Our telephone support team of specially trained service technicians is available 24 hours a day, seven days a week, and have access to your platform, the technical documentation and the software.



#### MOBILE SERVICE

If fast on-site assistance is required, you can count on us. All common replacement parts are available in our mobile workshops at all times. This enables us to provide you with on-site support quickly and easily through our comprehensive servicing and repair services.



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