A COMPREHENSIVE RANGE OF TRADITIONAL CANTILEVERS
500KG TO 3,000KG CAPACITY
MBB MINIFIX 500 VAN LIFT
FULLY AUTOMATIC LIGHTWEIGHT CANTILEVER LIFT
SPECIFICALLY DESIGNED FOR PANEL VANS - 500KG CAPACITY

STANDARD FEATURES

Lightweight AluKolas Platform
Large platform 1575mm deep x 1400mm wide,
Optional extra deep platform - 1850mm deep x 1400mm wide - suitable
for most high-roof panel vans.

Roll Stop
Sprung-loaded wide roll stop to secure and protect loads whilst on the
platform.

Flashing Warning Lights
Operate automatically when the platform is in use.

Hinged Bridge Plate
Mounted internally to the vehicle floor. Constructed from aluminium
chequer plate and with simple hinge system.

Two-Handed External Controls
Easy to use, mounted on the side of the vehicle with instruction decal.

Platform-Mounted, Heavy Duty Foot Controls
Feature intelligent sequential system allowing operator complete control.

OPTIONAL FEATURES

Half-width Platforms
Leaves one door clear for easy access to rear of vehicle without need to
lower tail lift.

Tow Ball
TUV and CE Marked - detachable swan neck - 50mm ball model. Can be
retrofitted to some lifts. Only suitable for rear wheel drive vehicles.

Wanderlead and Radio Remote Controls (not shown)
available in addition to external and foot controls. (As shown on page 7)

<table>
<thead>
<tr>
<th>Standard model</th>
<th>voltage</th>
<th>capacity</th>
<th>platform depth x width</th>
<th>maximum floor height</th>
<th>weight from</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minifix 500</td>
<td>12 volt only</td>
<td>500kg</td>
<td>1575mm x 1400mm</td>
<td>780mm</td>
<td>156kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1850mm x 1400mm</td>
<td></td>
<td>165kg</td>
</tr>
</tbody>
</table>
**MBB 1000 ATHLET quattro LIGHTWEIGHT CANTILEVER**

**ROBUST 4-CYLINDER CANTILEVER - 1000KG CAPACITY**

**DESIGNED FOR BOX BODIES 6.5 TONNE GVW AND ABOVE**

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**STANDARD FEATURES**

- **KTL Coated Lift Frame and 3-piece Underrun Bar**
  for protection against corrosion

- **‘Made to Measure’ Lightweight Aluminium Platforms**
  Standard: Alustar - (Options - AluLite and Alu-Kolas)

- **Intelligent Heavy Duty foot controls**
  Sequential system allows operator complete control

- 2-handed external control box with translucent lighting
  Housed in water-proof box - lighting permits safe night-time operation.

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**OPTIONAL FEATURES**

- **Steel Platform**
  KTL Coated steel platforms

- **Roll Stops**
  Sprung-loaded or manual roll stops to secure and protect loads whilst on the platform.

- **Flashing Warning Lights**
  Operate automatically when the platform is in use

- **Hook-in Side Ramps**
  Available in three sizes to suit individual applications

- **Detachable Safety Gates**
  Side and all-round gates available for extra protection to operator and load.

- **Battery Protector**
  See Traditional Cantilever Options for photo and details

- **Rear Closure Platforms**
  Eliminate the need for regular rear closure. Optional sealing kit with Arm Stops to protect lift against body damage

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**Lightweight, Robust 4-cylinder Cantilever**

The MBB PALFINGER 1000 ATHLET quattro offers a lightweight cantilever lifting solution with 2 lift cylinders and 2 double-acting tilt cylinders for maximum performance. Powerpack is stowed in the beam for added protection. Popular rear closure platforms increase vehicle payload.

A best selling lift throughout Europe for the past 10 years.

It’s reliable, competitively priced, lightweight for maximum payload and has a well-proven track record for durability.

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<table>
<thead>
<tr>
<th>model</th>
<th>capacity at load centre</th>
<th>suitable for vehicles</th>
<th>made to measure aluminium platforms</th>
<th>steel platform</th>
<th>maximum floor height</th>
<th>weight from aluminium/steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athlet quattro</td>
<td>1000kg at 600mm</td>
<td>from 6.5 to 12.9 tonnes</td>
<td>min 1200mm max 1850mm</td>
<td>min 1500mm</td>
<td>1509/1809mm x up to 2550mm</td>
<td>1210mm</td>
</tr>
</tbody>
</table>
MBB TRADITIONAL CANTILEVERS
MODEL RANGES

K RANGE - STANDARD CANTILEVER
AVAILABLE - 500KG - 750KG - 1000KG - 1500KG - 2000KG - 2500KG - 3000KG CAPACITIES

KL RANGE - LIGHT CANTILEVER
AVAILABLE - 1500KG CAPACITIES

CAR LIFT
AVAILABLE - 3000KG CAPACITIES

KS RANGE - SHORT OVERHANG
AVAILABLE - 1500KG - 2000KG CAPACITIES

KK RANGE - DRAW BAR
AVAILABLE - 1500KG - 2000KG CAPACITIES
Platforms
Wide choice of platforms available - see next page
‘Platform Options’ for full details of different construction materials and sizes available (including ‘made to measure’ widths, ramps and roll stops etc.)

K-Basic Control System
- Easy to install
- Low maintenance required
- User-friendly
- Illuminated control box
- Optional sealed pc-board + ground tilting.

KTL Coating
Lifting mechanisms and steel platforms are protected with KTL coating as standard. KTL protects against rust and minimises damage caused by stone chipping and prevents rust spreading. KTL has been salt-spray tested in compliance with EN Regulations.

Double-Acting Hydraulic tilting Cylinders
A very important part in ensuring the correct movement and strength of the lift. These are manufactured in-house by MBB Palfinger to ensure high quality performance. Power opening and power closing cylinders are strong and reliable hence the platform opens and shuts easily, even on the steepest of inclines.

External Control Box
Factory pre-wired, weather proof, corrosion resistant control box housing 2-handed lift controls.

Translucent instructions lit by an interior light making it possible to operate the lift safely - even in the dark!

‘Intelligent Foot Controls’
MBB foot controls are able to distinguish between contact with the operator’s foot and the load. Should goods be resting on the foot controls, the platform remains static.

Cylinder Covers
Protect cylinders against damage from impact and scratching.

Cylinder flow control valves
Every cylinder is fitted with flow control valves which safely control the descent of a fully loaded platform, even in the event of a burst hose in the hydraulic circuit.

Clever construction ensures bearings well greased
Chromium-free pivot pins are solid and not weakened by lubrication holes. 12 grease nipples for bearings are located on the exterior of the cylinder ends to ensure direct delivery of grease to the bearings.

Safety valve
Safety valves are fitted to all lifting and tilting cylinders as standard on all models.

Underrun Bar (not KK models)
CE approved, three-piece KTL finish coated underrun bar.

See lift options for underrun bar fitted to KK models.

The Power Pack is housed in the beam
Protecting it from unnecessary damage. It can be pulled out easily for inspection and maintenance. Noise from the main pump is greatly reduced - especially important when the lift is being used at night.
**MBB TRADITIONAL CANTILEVERS**

**PLATFORM OPTIONS**

- **Alustar Platform** (standard aluminium platform except for 3000K)
  Versatile, lightweight, aluminium treadplate surface, assists in the prevention of slipping. Not of modular build, and can therefore be cut to meet the exact requirements of the customer.

- **AluLite Platform - NEW** (500K, 750K, 1000K, 1500KL)
  Lightest aluminium platform in the range, for increased payload.

- **Made-to-Measure Half and Third Width Platforms** (500K, 750K, 1000K)
  Allows clear access to rear of vehicle without need to lower the tail lift. Particularly useful for refrigerated bodies. *Only available for aluminium platforms - not Athlet Quattro.*

- **Rear Closure Platform** (all models)
  Rear closure offers additional weight saving and security. Platform sealing kit has integrated floor stop for more efficient operation.

- **AluKolas Platform** (all except 3000K and car lift)
  AluKolas is market leader in innovative production of aluminium platforms. Using hybrid plasma welding process sections neatly welded with minimum heat = exceptionally robust platform without warping.

- **Folding Aluminium Platform** (500K, 750K)
  AluKolas folding platform suitable for dropside vehicles.

- **Roll Stops** (all models)
  Foot operated, sprung loaded or manual, two piece aluminium rolls stops to provide extra load security.

- **Steel Platform** (all models)
  Heavy duty, KTL finish coated protecting against corrosion.

- **LED Flashing Lights** (option)
  Located on the platform they operate automatically when platform is in use to ensure the lift is fully visible at all times.

- **Non-Slip Platform Surface** (all platforms)
  Synthetic rubber coating applied to specially prepared platform surface to ensure strong bond. Reduces noise levels during loading and unloading, whilst providing an anti-slip surface for operator safety.

- **Detachable Side Ramps**
  Available in three sizes to suit individual applications.
MBB TRADITIONAL CANTILEVERS
OPTIONS

Detachable Steel Safety Gates
Available for sides only or 'all-round' models. KTL protected.

The use of safety gates is highly recommended by the HSE to greatly reduce the risk of goods and/or the operator falling from the platform.

Hydraulic and Mechanical Support Jacks
(K series lifts only)
Used to stabilise vehicles when loading.
Usually used on deep platforms for large and valuable loads.

Battery Protector
(all models)
Avoids the inconvenience of a flat battery due to tail lift use. It gives an audible warning as the voltage of the battery falls and cuts out after a second warning, ensuring there is sufficient power to start the vehicle engine.

Wanderlead Controls
(all models including Minifix and Athlet)
Two button (lift and lower) and three button (lift, lower and tilt) wanderlead controls available.

Lifting Underrun Bars - KK models only
Compatible with draw bar applications. Mechanical or Hydraulic lifting available.

Radio Remote Control
(all models including Minifix and Athlet)
Allows the operator more freedom to move around

Internally-Mounted Controls
Flush fitting internally mounted three button control (lift, lower and tilt) may be fitted to the rear inside of the body. The flush fit prevents damage from trolleys etc. Popular for use on refrigerated bodies.

Pre-Welded Mounting Plates
For quick and easy fitting to the vehicle

Bolted Mounting Plates
Alternative to pre-welded mounting plates, preferred by some users to enable the lift to be easily transferred to another vehicle chassis.

Rear Light holder
For easier and quicker installation of rear lights.

Key Switch
Provides extra security and prevents the lift being operated by unauthorised people.

Speedy diagnostic fault finding - K-plus control system
K1-plus - fully electronic sensor control and electronic memory
K-plus - electronic sensor control
Both allow the engineer, in the event of a lift failure, to quickly identify the problem - reducing downtime and repair costs.

Hydraulic and Mechanical Support Jacks
(K series lifts only)
Used to stabilise vehicles when loading.
## TECHNICAL DATA FOR MBB TRADITIONAL CANTILEVERS

**PLATFORM OPTIONS FOR K/KL/KS/KK SERIES 500KG - 3000KG CAPACITIES**

<table>
<thead>
<tr>
<th>model</th>
<th>capacity at load centre</th>
<th>suitable for vehicles</th>
<th>made to measure aluminium platforms</th>
<th>steel platform</th>
<th>maximum floor height</th>
<th>weight from aluminium/steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>500K/750K</td>
<td>500Kg/750Kg at 600mm</td>
<td>3.5 tonnes to 7.5 tonnes</td>
<td>min 1200mm max 1850mm as required in 50mm increments up to 2550mm</td>
<td>1209mm x 2550mm 1509mm x 2550mm</td>
<td>1263mm</td>
<td>232Kg/313Kg</td>
</tr>
<tr>
<td>1000K</td>
<td>1000Kg at 700mm</td>
<td>7.5 tonnes to 18 tonnes</td>
<td>min 1200mm max 2400mm as required in 50mm increments up to 2550mm</td>
<td>1209mm x 2550mm 1509mm x 2550mm 1809mm x 2550mm</td>
<td>1546mm</td>
<td>391Kg/524Kg</td>
</tr>
<tr>
<td>1500KL</td>
<td>1500Kg at 600mm</td>
<td>from 7.5 tonnes</td>
<td>min 1200mm max 2400mm as required in 50mm increments up to 2550mm</td>
<td>1209mm x 2550mm 1509mm x 2550mm 1809mm x 2550mm</td>
<td>1546mm</td>
<td>454Kg/551Kg</td>
</tr>
<tr>
<td>1500K/KS/KK</td>
<td>1500Kg at 1000mm</td>
<td>from 7.5 tonnes</td>
<td>min 1200mm max 2600mm as required in 50mm increments up to 2550mm</td>
<td>1209mm x 2550mm 1509mm x 2550mm 1809mm x 2550mm 2109mm x 2550mm</td>
<td>1793mm</td>
<td>557Kg/660Kg</td>
</tr>
<tr>
<td>2000K/KS/KK</td>
<td>2000Kg at 750mm</td>
<td>from 12 tonnes</td>
<td>min 1200mm max 2600mm as required in 50mm increments up to 2550mm</td>
<td>1509mm x 2550mm 1809mm x 2550mm 2109mm x 2550mm</td>
<td>1793mm</td>
<td>542Kg/645Kg</td>
</tr>
<tr>
<td>2500K</td>
<td>2500Kg at 750mm</td>
<td>from 16 tonnes</td>
<td>min 1200mm max 2600mm as required in 50mm increments up to 2550mm</td>
<td>1509mm x 2550mm 1809mm x 2550mm 2109mm x 2550mm</td>
<td>1444mm</td>
<td>566Kg/668Kg</td>
</tr>
<tr>
<td>3000K</td>
<td>3000Kg at 800mm</td>
<td>from 16 tonnes</td>
<td>min 1200mm max 3000mm as required in 50mm increments up to 2550mm</td>
<td>2009mm x 2550mm 2209mm x 2550mm 2409mm x 2550mm</td>
<td>1554mm</td>
<td>730Kg/903Kg</td>
</tr>
<tr>
<td>3000K (car lift)</td>
<td>3000Kg at 800mm</td>
<td>please discuss with Sales Office 4000mm one size only steel aluminium (including ramps) x 2300mm</td>
<td>1554mm</td>
<td>Approximately 1000Kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### K
- **Standard Cantilever**

### KL
- **Light Cantilever**

### KS
- for vehicle with short overhang

### KK
- for draw bar trailers

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The RATCLIFF PALFINGER policy is one of continuous product development and the Company therefore reserves the right to alter product or component specifications without notice.

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