PALFINGER

PALFINGER TAIL LIFTS

THE WORLD OF TAIL LIFTS

LIFETIME EXCELLENCE

OVERVIEW CONTENT

BENEFITS AND FEATURES

CANTILEVER TAIL LIFTS

FOLDABLE TAIL LIFTS

RETRACTABLE TAIL LIFTS

OVERVIEW CONTENT

VERTICAL LIFTS

CUSTOMER APPLICATIONS

PASSENGER SYSTEMS

TECHNICAL APPENDIX

PALFINGER TAIL LIFTS ABOUT US

For over half a century, Tail Lifts have been produced for the world market from the Palfinger Ganderkesee facility close to Bremen in Northern Germany.

ECONOMY
Our Tail Lifts are simple to operate and offer high productivity.

RELIABILITY
Our products are premium quality and boast high load capacity. Excellent durability and hi-tech processing results in a range of extremely reliable Tail Lifts.

INNOVATION
During the development of our products we are always focused on a decrease of future warranty costs and providing continuous improvements to design and weight.

PRODUCTION IN GANDERKESEE ALUMINIUM PLATFORMS

With the use of robot welding, high quality aluminium platforms are produced in Ganderkesee. Thanks to the use of this high end technology, many options are available.

PRESET OPERATING POSITION

Our products are premium quality and boast high load capacity. Excellent durability and hi-tech processing results in a range of extremely reliable Tail Lifts.

PRESET LOAD CENTRE

A pocket machined into the surface of the platform indicating the load centre ensures optimal positioning of the goods.

ROLL STOPS

Knurled wheel feature leads to a particularly easy and comfortable activation of the roll stop.

TRANSVERSAL GROOVES

Additional transversal grooves are available as an option to provide extra slip safety standard certified to R12 DIN 51130.

GLOBAL CUSTOMER CARE TEAM

Our products are premium quality and boast high load capacity. Excellent durability and hi-tech processing results in a range of extremely reliable Tail Lifts.
Our telephone hotline provides comprehensive consulting and technical support for repairs, maintenance and the ordering of spare parts.*
Our local Service Technicians are available if you need support with the assembly of a PALFINGER Tail Lift. You can also benefit from our certificated technical training which will lead to a high education standard within your team.

Please visit our homepage (www.palfinger.com) for more information about our Service and make use of our comprehensive Service partner search.

WE ARE AVAILABLE FOR YOU
CONTACT DETAILS

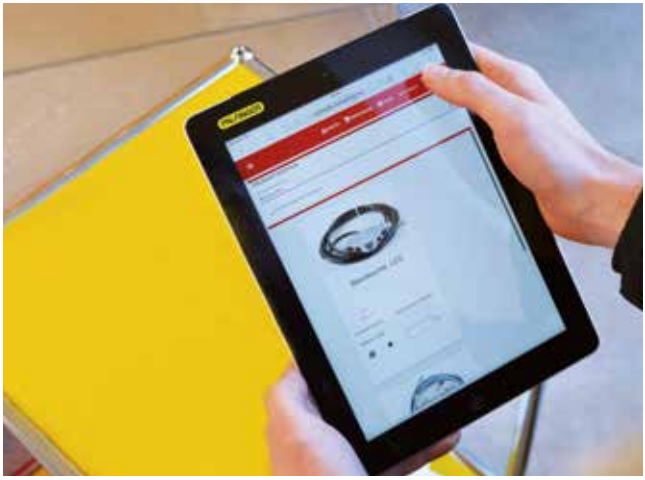
Germany and rest of the world:
Tel.: +49 4221-853 355
E-Mail: servicembb@palfinger.com

In France:
Tel.: +33 2 3312 4400
E-Mail: sapr@palfinger.com

United Kingdom:
Tel.: +44 (0) 1707 325571 24 Hr: +44 (0) 8000 24365
E-Mail: customer.services@palfinger.com

*) Please visit our Online Shop for spare parts: www.eetk.eu and make profit from many advantages

SPARE PARTS FAST AND EASY



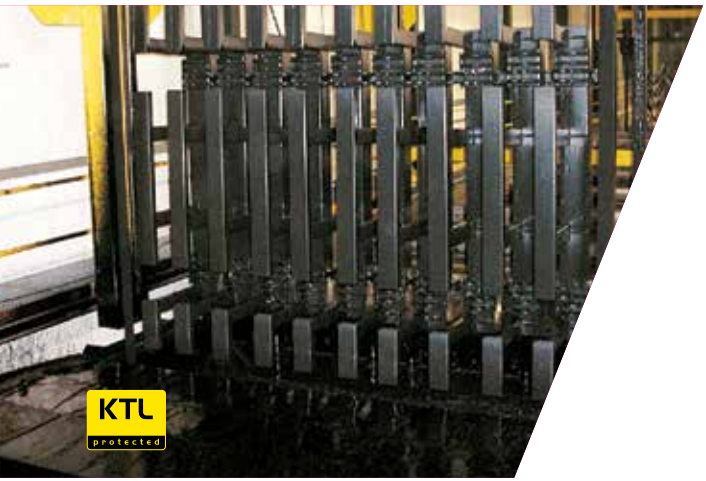
Our multilingual Online Shop enables fast and easy ordering of spare parts 24/7 for PALFINGER Tail Lifts.

SPARE PARTS ORDERS
- Availablitity check
- Shipment tracking
- Create individual favourites
- Create delivery addresses
- Transport routes

ONLINE WARRANTY CLAIMS
- For tail lifts and spare parts
- Warranty extensions
- E-Claim

ONLINE BOOKING OF TRAINING
- Available on site or at PALFINGER Tail Lifts

OPTIMAL CORROSION PROTECTION FOR LIFTING MECHANISM AND PLATFORM



CORROSION PROTECTION FROM THE OUTSET

Due to increasing environmental requirements and maintenance costs, every lifting mechanism and steel platform receives cathodic dip coating (KTL - from the German Kathodische Tauch Lackierung) to optimise surface protection. The KTL coating can be used with aluminium, cast iron and steel. The process is environmentally friendly, increases the durability of the lift and can be later powder coated if required. The KTL Plus Coating provides extra shine to improve aesthetics. This can be personalised to match your brand colours.

CATHODIC DIP PAINTING (KTL)

- Environmentally-friendly
- Minimised damage by road salt / stone chips
- Steel platforms are KTL-coated as standard
- Salt spray test: 700 hours in accordance with EN ISO 9227
- Reduced maintenance costs

KTL PLUS (POWDER COATING FOR EXTENDED PROTECTION)

- Customised finishing available
- Improved visual effect
- Extra resistance to negative weather and road conditions
- Individual painting possible (minimum total layer thickness of 100 µm in a RAL colour)

SMOOTH RUNNING BEARINGS REDUCE SERVICE COSTS

GREASED NIPPLES AND BEARING BUSHES

Greased nipples and bearings help reduce maintenance costs. Our new, innovative bearings are made with a separate fastening buckle. This means lubrication holes which would weaken the bearings are not needed. To succeed, our new innovative bearings are made with a separate fastening buckle. This means that we abstain from lubrication holes, which would weaken the bearings.
Daily maintenance is much easier as the elements are externally accessible. Bronze bearings are highly resistant which also reduces maintenance expense.

ADVANTAGES FOR THE SERVICE

- Greased nipples make daily care and maintenance easier
- Uniform distribution of lubricant reduces the wear of the bearings. This leads to a high level of resistance
- Extended maintenance intervals to minimise your costs

EVERYTHING UNDER CONTROL YOUR FLEET OPERATIONAL AT ALL TIMES

THE CONTROL CENTRE OF THE TAIL LIFT
FROM BASIC TO PREMIUM

The MBB CONTROL has been developed to make the handling of our tail lifts as simple as possible and it's available as an additional option. The MBB CONTROL is the key element of the tail lift and the vehicle system. It offers maximum comfort to the Driver / Operator as it's possible to operate the tail lift from the Driver's cab. The operation is intuitive. In addition the MBB CONTROL includes an ample camera system, which improves the Driver's visibility.
Customers have requested that we offer different models of control system; MBB CONTROL BASIC, ECO, PLUS and PREMIUM. We are happy to outline the benefits and discuss the best fit for your operation.

Our goal is to improve efficiencies within your operation through the MBB CONTROL E-LINK. This diagnostic tool, in addition to the Control System, provides easy management of the functions and features of the Tail Lift. The error diagnosis at the service station offers an immediate and transparent status.

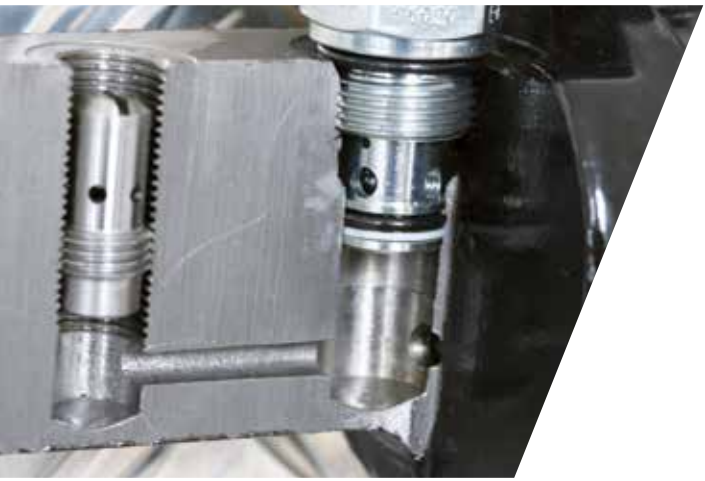
RELIABLE AND STRONG PALFINGER CYLINDERS

MOVING QUALITY

Hydraulic cylinders are at the heart of Palfinger Tail Lifts. They offer maximum comfort and reliability in all applications. Thus, the efficiency of your vehicles will be positively influenced and the availability increased. In addition we guarantee a precise opening and closing with the hydraulic power, which levels the platform regardless of the vehicle position. This leads to much shorter loading times. To enhance lifting capacity for heavy goods, the piston rods are made of solid material.

- More than 65,000 cylinders a year are manufactured by PALFINGER
- Highest quality standards and in-house quality control
- ISO 9001 accreditation
- Piston rods are made from solid material, enhancing capacity for lifting heavy loads.
- Reliable opening and closing of the platform with hydraulic power, regardless of vehicle position.

EXCEPTIONAL SAFETY WITH FLOW CONTROL VALVES



SAFETY AND STRENGTH - UNIQUE FLOW

Uniquely produced by PALFINGER Tail Lifts, the Flow Control Vales prevent uncontrolled lowering in the event of hose damage, preventing the platform from tilting, therefore protecting the Operator and goods. Additionally, our Hydraulic Cylinders are exceptionally reliable and are the centrepiece of the lifting mechanism, produced in accordance with the highest quality standards.Uniquely produced by PALFINGER Tail Lifts, the Flow Control Vales prevents uncontrolled lowering in the event of hose damage, preventing the platform from tilting, therefore protecting the operator and goods. Additionally, our Hydraulic Cylinders are exceptionally reliable and are a the centrepiece of the lifting mechanism, produced in accordance with the highest quality standards.

ADVANTAGES

- Prevention of uncontrolled lowering in the event of hose damage
- Platform does not tilt under heavy loads
- Increased levels of safety, comfort and reliability for the operator
- Greater protection of goods during lift operation
- Magnetic Valve with a sealed electrical connection (Costal-plug)

FLEXIBLE SOLUTION PALFINGER POWER PACKS

WELL PROTECTED - THE SLIDE-IN POWER PACK

We provide you individual solutions for the protection of our power packs. The Slide-In Power Pack is secured in the main beam, protecting it from adverse weather conditions.
For some product types we provide the Compact Power Pack for a flexible installation in the vehicle.

ADVANTAGES SLIDE-IN POWER PACK

- Protected against negative weather conditions
- Easy to access
- Installation in main beam reduces noise emissions
- Technical wring diagrams and data are water-resistant and packs in the protective cover

ADVANTAGES OF THE COMPACT POWER PACK

- Flexible installation on different types of vehicles
- Vertical and horizontal installation possible
- MBB CONTROL integrated

USER-FRIENDLY OPERATING FEATURES

CONTROL BOX

- Lockable folding lid to protect switches from the environment.
- Ergonomic, positive twist action control switches prevents unintentional operation
- Integrated back-light illuminates the control instructions.
- Lockable

HAND HELD CONTROL (WIRED)

- Robust design
- Can also be operated when wearing work gloves
- With a spiral cable and a plug
- TTwo or Three switch control options (with tilting function)
- With or without plug available

RADIO REMOTE CONTROL

- 6-channel technology controlling up to six different functions (hydraulic stabilizers, lighting, shutter door, etc.)
- Self-lock: Automatic locking of the tail lift

FOR YOUR CONVENIENCE HAND OR FOOT OPERATED CONTROLS

3 + 1 CONTROL KNOBS

- Installation in vehicle body wall or below the body wall
- Simple and logical use
- Replaces the control box

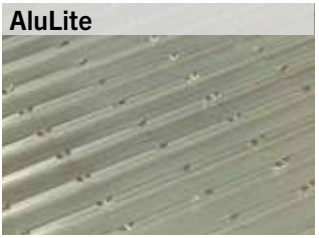
CONTROL PANEL ON EXTERIOR VEHICLE BODY

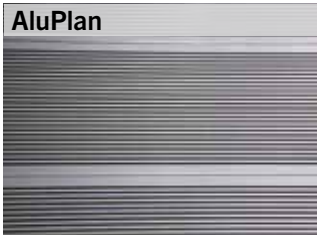
- Alternative two-handed operation for space-saving installation on the vehicle exterior

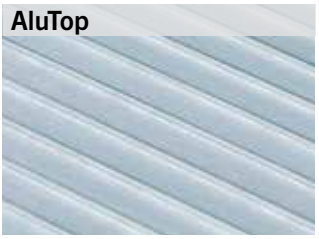
FOOT SWITCHES

- Robust design
- No accidental operation caused by accidental placement of goods
- Operation through simple applied foot sequence
- Optional control protection

THE WORKING SURFACE... ALUMINIUM PLATFORMS







ALUSTAR

- For lifting capacity classes from 1,000 to 2,500 kg
- Large, smooth advertising space
- High level of slip resistance in all directions thanks to aluminium quintet sheet

ALULITE 30 / 40 / 40 S

- For lifting capacity classes from 500 to 1,500 kg (MBB C 500 VAN / MBB C 750 L - MBB C 1000 L / MBB C 1000 S - MBB C 1500 L)
- For lifting capacity classes from 1,500 to 2,000 kg (MBB C 1500 S - MBB C 2000 L)
- Longitudinal grooves with optional transverse milling
- Large advertising space
- High level of stability thanks to longitudinal sections and reinforced top section

ALUPLAN

- For lightweight standard tail lifts as well as foldable and retractable tail lifts

ALUTOP

- For lifting capacity classes from 1,500 to 3,000 kg (MBB C 1500 S - MBB C 3000 S)
- Advertising space between the bars

FOR YOUR CARGO
STEEL PLATFORMS

FERROSTAR

- Proven and robust for demanding logistics
- Billboard optional
- 6 tubes for maximum stability

FERROTOP

- Box structure for optimised laser welding
- Sturdy design with two vertical bars and cross-sections

FerroTop

FerroStar

PERFECTLY COATED PLATFORM SURFACES

COATING FOR TOUGHEST DEMANDS

Plastic coating provides the perfect protection for the platform surface. It combines slip resistance with maximum sound insulation. The platforms are sandblasted first, then a bonding agent is applied. Finally they are given a plastic coating all in a single work step. This ensures exceptional bonding to the base material to withstand the toughest logistical demands.

THE BENEFITS OF PLASTIC COATING:

- Low level of noise
- Hard-wearing surface protection
- No material fatigue due to temperature fluctuations
- Excellent rolling characteristics when using roll-off containers
- Resistant to chemicals and cleaning agents
- High level of slip resistance thanks to corundum in the surface
- Enables the compliance of the "Piek-Norm"

Ask our sales employees for information about further surface coating.

WELL- EQUIPPED OPTIONS

SIGNAL LIGHTS

The signal lights shine with state-of-the-art LED technology (EN 1756-1). They have an extremely long service life and ensure optimum visibility of the open platform with a bright light.

- LEDs well protected against mechanical damage
- Rear and lateral visibility
- Alternatively available with safety bar

ROLL STOPS

Our roll stops are available in many industry-specific configurations

RECESSES

Our recesses help to securely position roll-out containers on the platform surface

SUSTAINABLE USE OF ENERGY FOR ENVIRONMENTAL PROTECTION

TOWARDS A WORTHWHILE FUTURE

Environmental protection is a top priority at PALFINGER Tail Lifts & Passenger Lifts. The use of eco-friendly and recyclable materials is a natural part of our activities.

ENVIRONMENTAL FRIENDLINESS

- World's only electromechanical tail lift without hydraulic oil and with Efficient use of energy (MBB C 1000 E)
- All component coatings are free from chromium IV
- Use of water-thinnable top coat in surface treatment
- Bio-degradable hydraulic oils (optional)
- Environmental processes (Reduction of water consumption, recycle of materials and energy)

PALFINGER TAIL LIFTS
GREEN PROCESSES

PRODUCT RANGE

CANTILEVER RANGE

TECHNOLOGY ADAPTABLE TO A WIDE INDUSTRIES

APPLICATION-ORIENTED

The strength of our rear-attached tail lifts lies in their outstanding ability to adapt to the requirements of a wide range of industries.

OUR EXPERTISE FOR YOUR SUCCESS

- Expert advice for attachment planning
- Technical project support for invitations to tender
- International sales and service network

EASY TO OPERATE – SAFE TO USE

- Wide range of models
- Tailor-made solutions for all fields of applications
- Variety of optional features and equipment

MBB C 500 VAN
MBB C 500 VAN FLEX

ALSO AVAILABLE WITH VERTICAL FOLDING PLATFORM

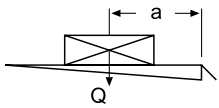
- Individual installation kits for all common van types
- Fast, simple installation
- Optimum relationship between lifting capacity and weight
- Removable ball-head coupling optionally available
- With Aluminium platform
- Equipped with a roll stop (900 mm) and bridging plate as standard
- Integrated tilt cylinder
- VAN FLEX: With vertical folding platform (access to the right rear door)
- 600 kg capacity on request

Available for

- Mercedes-Benz Sprinter
- Volkswagen Crafter and MAN TGE
- Iveco Daily
- Nissan NV 400 / Renault Master / Vauxhall Movano
- Citroen Jumper / Fiat Ducato / Peugeot Boxer
- Ford Transit
- Further vehicle types on request

LOAD DIAGRAM

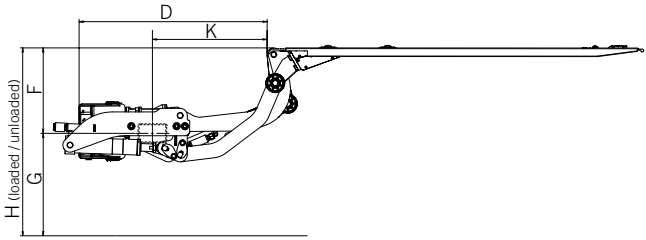
a (mm)	Q (kg)
600	500
700	430
820	360
1,120	260



500 KG LIFTING CAPACITY
THE COMPACT TAIL LIFT
FOR VANS

WEIGHTS

Aluminium platform type	
Platform width (mm)	1,400
Platform height (mm)	
1,575	ab 151 kg



DIMENSIONS

Lifting arm lengths (mm)	500
H (max.) loading height, unloaded*	780
H (min.) loading height, loaded	450
F (max.) middle of main beam to upper edge of loading floor	340
K (min.) at dimension F (max.)	546
D (min.) installation dimension, minimum	814 (926)
F (min.)	-
K (max.) at dimension F (min.)	-
D (max.) installation dimension, maximum	-

TECHNICAL DATA

Type	MBB C 500 VAN
Lifting capacity	500 kg (600 kg optional)
Main beam	120 x 80 mm
Lifting gear hydraulics	1 lifting cylinder / 1 tilting cylinder
Platform overlap with floor	-
Lifting arm pitch	510 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

*** Depending on vehicle.**

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 750 L

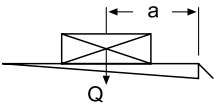
- The lightweight tail lift for small vans up to 6.5 t
- Lifting capacity 750 kg with 600 mm load distance
- Torsion-resistant two-cylinder lifting mechanism
- Even, parallel movement to loading floor
- Rear underrun protection device
- Simple installation thanks to boltable mounting plates

Available for

- Mercedes-Benz Sprinter
- Volkswagen Crafter / MAN TGE
- Iveco Daily
- Renault Master
- Ford Transit
- Citroen Jumper / Fiat Ducato / Peugeot Boxer
- Further vehicle types on request

LOAD DIAGRAM

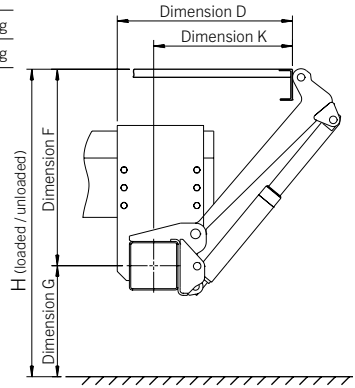
a (mm)	Q (kg)
600	750
700	650
820	550
1,120	400



ROBUST AND LIGHTWEIGHT WITH TWO CYLINDERS

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,100
Platform height (mm)	
1,450	from 199 kg
1,600	from 206 kg



DIMENSIONS

Lifting arm lengths (mm)	600
H (max.) loading height, unloaded	1,080
H (min.) loading height, loaded	680
F (max.) middle of main beam to upper edge of loading floor	580
K (min.) at dimension F (max.)	443
D (min.) installation dimension, minimum	565
F (min.)	420
K (max.) at dimension F (min.)	578
D (max.) installation dimension, maximum	700
G (max.) unloaded (middle of main beam to ground)	500
G (min.) loaded	260

TECHNICAL DATA

Type	MBB C 750 L
Lifting capacity	750 kg
Main beam	120 x 120 mm
Lifting gear hydraulics	1 lifting cylinder / 1 tilting cylinder
Platform overlap with floor	-57
Lifting arm pitch	620 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

NEW MODEL 2019

MBB C 750 S

Versatile 4-Cylinder Tail Lift for lightweight commercial vehicles

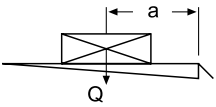
- For small vans up to 7.5 t
- 750 kg lifting capacity with 600 mm load distance
- Robust four-cylinder lifting mechanism
- Single piece rear underrun protection device / optionally as three-piece component
- A fixture for a ball-head coupling is available with the three-piece rear underrun protection device
- Lightweight design
- Simple attachment thanks to boltable mounting plates
- Also available as partial tail lift

Available for

- Mercedes-Benz Sprinter
- Volkswagen Crafter / MAN TGE
- Iveco Daily
- Renault Master
- Ford Transit
- Citroen Jumper / Fiat Ducato / Peugeot Boxer
- Further vehicle types on request

LOAD DIAGRAM

a (mm)	Q (kg)
600	750
700	650
820	550
1,120	400

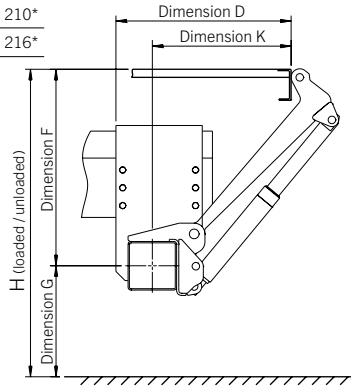


VERSATILE FOUR-CYLINDER TAIL LIFT FOR LIGHTWEIGHT COMMERCIAL VEHICLES

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,100
Platform height (mm)	
1,450	from 210*
1,600	from 216*

*) 14 kg additional weight with three-piece rear underrun protection device



DIMENSIONS

Lifting arm lengths (mm)	550	680
H (max.) loading height, unloaded	990	1,190
H (min.) loading height, loaded	700	880
F (max.) middle of main beam to upper edge of loading floor	540	640
K (min.) at dimension F (max.)	419	503
D (min.) installation dimension	517	601
F (min.)	370	490
K (max.) at dimension F (min.)	555	624
D (max.) installation dimension, maximum	653	722
G (max.) unloaded (middle of main beam to ground)	450	550
G (min.) loaded	330	390

TECHNICAL DATA

Type	MBB C 750 S
Lifting capacity	750 kg
Main beam	120 x 80 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-44 mm
Lifting arm pitch	460 mm / 1,120 mm / 1,240 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 750 SLW

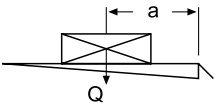
- For small vans up to 5 t
- Lightweight with <195 kg
- 750 kg lifting capacity with 600 mm load distance
- Robust four-cylinder lifting mechanism
- Three-piece rear underrun protection device
- A fixture for a ball-head coupling is available (adjustable in height)
- Simple attachment thanks to boltable mounting plates

Available for

- Mercedes-Benz Sprinter
- Volkswagen Crafter / MAN TGE
- Iveco Daily
- Renault Master
- Ford Transit
- Citroen Jumper / Fiat Ducato / Peugeot Boxer
- Further vehicle types on request

LOAD DIAGRAM

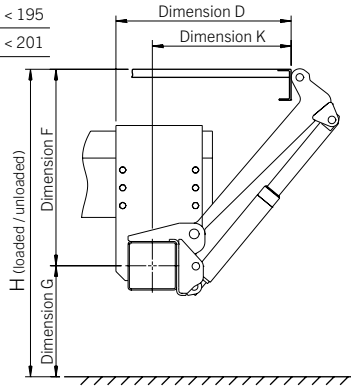
a (mm)	Q (kg)
600	750
700	650
820	550
1,120	400



VERSATILE FOUR-CYLINDER TAIL LIFT FOR LIGHTWEIGHT COMMERCIAL VEHICLES

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,100
Platform height (mm)	
1,450	< 195
1,600	< 201



DIMENSIONS

Lifting arm lengths (mm)	550
H (max.) loading height, unloaded	990
H (min.) loading height, loaded	700
F (max.) middle of main beam to upper edge of loading floor	540
K (min.) at dimension F (max.)	419
D (min.) installation dimension	517
F (min.)	370
K (max.) at dimension F (min.)	555
D (max.) installation dimension, maximum	653
G (max.) unloaded (middle of main beam to ground)	450
G (min.) loaded	330

TECHNICAL DATA

Type	MBB C 750 SLW
Lifting capacity	750 kg
Main beam	120 x 80 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-44 mm
Lifting arm pitch	460 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

PARTIAL TAIL LIFTS FROM 750 TO 1,000 KG LIFTING CAPACITY

YOU CAN CHOOSE FROM THE FOLLOWING VARIANTS:

MBB C 750 SPR / SPL

- Lifting capacity 750 kg with 600 mm load distance
- Platform widths 850 - 1,200 mm
- Pitch 460 mm
- Attached on the right or left

MBB C 1000 SPR / SPL

- Lifting capacity 1,000 kg with 700 mm load distance
- Platform widths of 850 - 1,200 mm with 410 mm pitch
- Platform widths of 1,410 - 1,960 mm with 970 mm pitch
- Attached on the right or left

Further designs on request

HALF THE PLATTFORM ALL THE PERFORMANCE

AVAILABLE EQUIPMENT

- 750 kg version with AluLite platform
- 1,000 kg version with AluStar or AluLite platform
- KTL coating of steel components as standard
- Powder Coating option available (RAL colours)
- Various equipment available

For technical attachment data, see the MBB C 750 S, MBB C 1000 L and MBB C 1000 S product pages. Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1000 E

FOR THE ENVIRONMENT

- No environmentally harmful hydraulic oil
- Electromechanical drive
- Lower CO_2 emissions
- Efficient use of energy
- Less noise emission

FOR COST SAVINGS

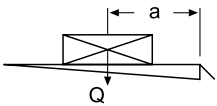
- More maintenance-free components
- No oil change and no need for replacement of valves / seals
- Fewer maintenance intervals and thus lower maintenance costs
- Extended warranty period: four years
- Low total cost of ownership (TCO)

FOR THE OPERATOR

- Simple operation thanks to proven operating elements
- Consistent level of performance

LOAD DIAGRAM

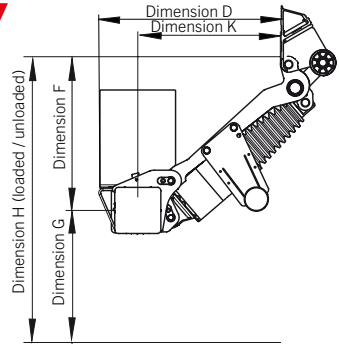
a (mm)	Q (kg)
600	1,000
750	800
950	600
1,400	400
2,400	230



ELECTROMECHANICAL WITH E-DRIVE TECHNOLOGY

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,850	from 485 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800
H (max.) loading height, unloaded	1,200	1,300
H (min.) loading height, loaded	825	900
F (max.) middle of main beam to upper edge of loading floor	650	700
K (min.) at dimension F (max.)	603	693
D (min.) installation dimension, minimum	738	828
F (min.)	500	550
K (max.) at dimension F (min.)	716	802
D (max.) installation dimension, maximum	851	937

TECHNICAL DATA

Type	MBB C 1000 E
Lifting capacity	1,000 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	1 electrical lifting cylinder / 1 electrical tilting cylinder
Platform overlap with floor	-63 mm
Lifting arm pitch	1,345 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

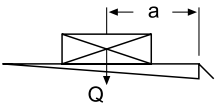
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1000 L

- Particularly suitable for lightweight and medium-weight transport of distribution
- 1,000 kg lifting capacity with 600 mm load distance
- Weight-optimised tail lift with four cylinders
- Approval of underride guard for maximum permissible weight of 12 t
- Equipped with aluminium or steel platform
- Two different lifting arm lengths and lifting arm pitches available

LOAD DIAGRAM

a (mm)	Q (kg)
600	1,000
750	800
950	600
1,400	400

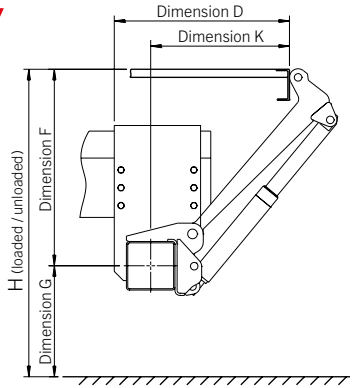


PROVEN AND RELIABLE WITH OPTIMISED WEIGHT

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,600	282 kg
1,700	289 kg
1,800	295 kg

Steel Platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,509	357 kg
1,809	402 kg



DIMENSIONS

Lifting arm lengths (mm)	600	700
H (max.) loading height, unloaded	1,100	1,210
H (min.) loading height, loaded	750	830
F (max.) middle of main beam to upper edge of loading floor	620	650
K (min.) at dimension F (max.)	467	592
D (min.) installation dimension, minimum	617	742
F (min.)	420	500
K (max.) at dimension F (min.)	652	721
D (max.) installation dimension, maximum	802	871

TECHNICAL DATA

Type	MBB C 1000 L
Lifting capacity	1,000 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-44 mm
Lifting arm pitch	1,100 / 1,320 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

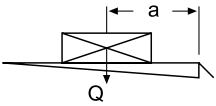
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1000 S

- Proven track record in the logistics industry
- 1,000 kg lifting capacity with increased load distance of 700 mm
- Four-cylinder lifting mechanism with lifting arm lengths from 700 to 900 mm
- Reinforced design for optimum utilisation of lifting capacity
- Equipped with aluminium or steel platform
- Also available as partial tail lift
- Large selection of special equipment available

LOAD DIAGRAM

a (mm)	Q (kg)
700	1,000
875	800
1,150	600
1,700	400

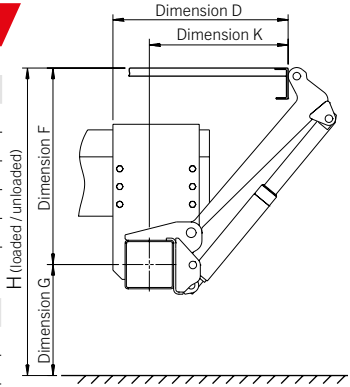


OPTIMUM LIFTING POWER WITH INCREASED LOAD DISTANCE

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,600	376 kg
1,700	384 kg
1,800	390 kg
2,050	401 kg

Steel Platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,509	478 kg
1,809	538 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900
H (max.) loading height, unloaded	1,256	1,409	1,546
H (min.) loading height, loaded	906	922	998
F (max.) middle of main beam to upper edge of loading floor	728	811	894
K (min.) at dimension F (max.)	515	627	626
D (min.) installation dimension, minimum	665	777	776
F (min.)	529	572	625
K (max.) at dimension F (min.)	710	801	886
D (max.) installation dimension, maximum	860	951	1,036

TECHNICAL DATA

Type	MBB C 1000 S
Lifting capacity	1,000 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-57 mm
Lifting arm pitch	1,310 mm
Load centre, longitudinal	700 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

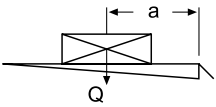
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1500 L

- The lightweight tail lift for a high payload capacity
- 1,500 kg lifting capacity with 600 mm load distance
- Four-cylinder lifting mechanism with three lifting arm lengths from 700 to 900 mm
- Designed with aluminium or steel platform
- Wide range of special equipment available

LOAD DIAGRAM

a (mm)	Q (kg)
600	1,500
720	1,250
900	1,000
1,200	750

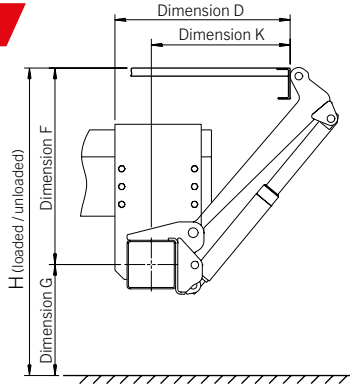


PRACTICAL AND EFFICIENT WITH OPTIMISED WEIGHT

WEIGHTS

Aluminium Platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,600	390 kg
1,700	398 kg
1,800	405 kg
2,050	415 kg

Steel Platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,509	510 kg
1,809	570 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900
H (max.) loading height, unloaded	1,256	1,409	1,546
H (min.) loading height, loaded	906	922	998
F (max.) middle of main beam to upper edge of loading floor	728	811	894
K (min.) at dimension F (max.)	515	571	627
D (min.) installation dimension, minimum	665	721	777
F (min.)	529	572	625
K (max.) at dimension F (min.)	710	801	886
D (max.) installation dimension, maximum	860	951	1,036

TECHNICAL DATA

Type	MBB C 1500 L
Lifting capacity	1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-57 mm
Lifting arm pitch	1,310 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

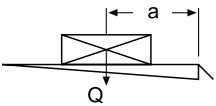
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1500 S

- One of the strongest tail lifts in it's class
- 1,500 kg lifting capacity with large load distance of 1,000 mm
- Four-cylinder lifting mechanism with five different lifting arm lengths
- Designed with aluminium or steel platform
- Large selection of special equipment available

LOAD DIAGRAM

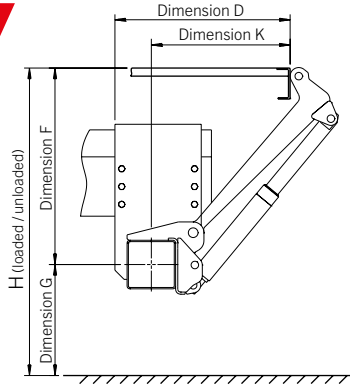
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800
2,400	600



OPTIMUM LIFTING POWER WITH LARGE LOAD DISTANCE

WEIGHTS

Aluminium platform type	
latform width (mm)	2,500
latform height (mm)	
1,800	517 kg
2,050	535 kg
2,100	539 kg
Steel platform type	
latform width (mm)	2,500
latform height (mm)	
2,009	685 kg
2,109	735 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,428	1,528	1,651	1,793
H (min.) loading height, loaded	883	916	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	817	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	768	751	773	871	933
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
D (max.) installation dimension, maximum	876	970	1,057	1,190	1,282

TECHNICAL DATA

Type	MBB C 1500 S
Lifting capacity	1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-63 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1500 SK
MBB C 2000 SK

- For motor vehicles with a low-mount coupling system
- For the high demands in food and beverage logistics, for example
- Lifting capacity 1,500 / 2,000 kg with 1,000 mm load distance in each case
- Four-cylinder lifting mechanism with long lifting arm for level installation
- Tiltable, single-piece underride guard (mechanical or hydraulic, depending on type)
- Designed with aluminium or steel platform
- Extremely wide range of special equipment available

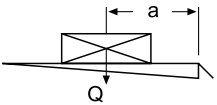
LOAD DIAGRAM

MBB C 1500 SK

a (mm)	Q (kg)
1,000	1,500
1,250	1,200
1,500	1,000
1,750	850
2,000	750

MBB C 2000 SK

a (mm)	Q (kg)
1,000	2,000
1,250	1,600
1,500	1,330
1,750	1,140
2,000	1,000

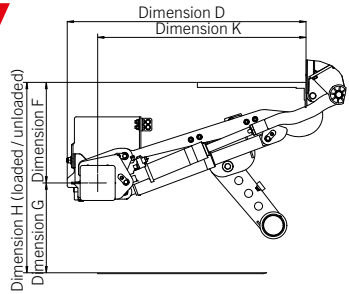


CLOSE-COUPLED VEHICLES WITH 1,500 / 2,000 KG LIFTING CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,100	703 kg
2,200	714 kg
2,300	725 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,009	811 kg
2,109	861 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,428	1,528	1,651	1,793
H (min.) loading height, loaded	883	916	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	817	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	768	751	773	871	933
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
D (max.) installation dimension, maximum	876	970	1,057	1,190	1,282

TECHNICAL DATA

Type	MBB C 1500 S
Lifting capacity	1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-63 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 1500 SZ / 2000 LZ

- Optimum ratio of dead weight to payload = greater transport capacity
- Lifting capacity of 2,000 kg with 750 mm load distance
- Variable lifting mechanism with five available lifting arm lengths for all common attachment situations
- Designed with aluminium or steel platform
- Wide range of options and equipment variants

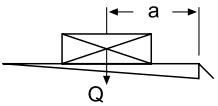
LOAD DIAGRAM

MBB C 1500 SZ

a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950
2,400	600

MBB C 2000 LZ

a (mm)	Q (kg)
750	2000
900	1650
1100	1300
1600	950
2400	600

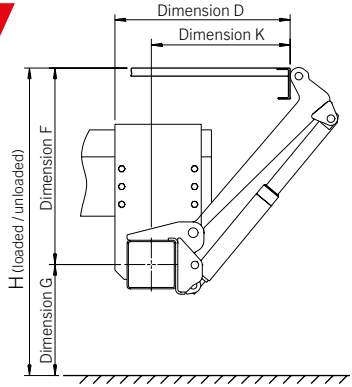


STEEP ATTACHMENT SITUATIONS WITH 1,500 / 2,000 KG LIFTING CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,850	547 kg
2,100	569 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,009	735 kg
2,109	785 kg



DIMENSIONS

Lifting arm lengths (mm)	750	800	850	950
H (max.) loading height, unloaded	1,340	1,416	1,505	1,657
H (min.) loading height, loaded	1,127	1,165	1,204	1,281
F (max.) middle of main beam to upper edge of loading floor	858	904	967	1,061
K (min.) at dimension F (max.)	413	434	410	444
D (min.) installation dimension, minimum	563	584	560	594
F (min.)	742	780	819	896
K (max.) at dimension F (min.)	602	635	666	730
D (max.) installation dimension, maximum	752	785	816	880

TECHNICAL DATA

Type	MBB C 1500 SZ	MBB C 2000 LZ
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders	
Platform overlap with floor	-63 mm	-63 mm
Lifting arm pitch	1,300 mm	1,300 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+ 90° to -10°	+ 90° to -10°

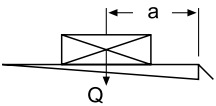
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2000 L

- Optimum ratio of dead weight to payload = greater transport capacity
- Lifting capacity of 2,000 kg with 750 mm load distance
- Variable lifting mechanism with five available lifting arm lengths for all common attachment situations
- Designed with aluminium or steel platform
- Wide range of options and equipment variants

LOAD DIAGRAM

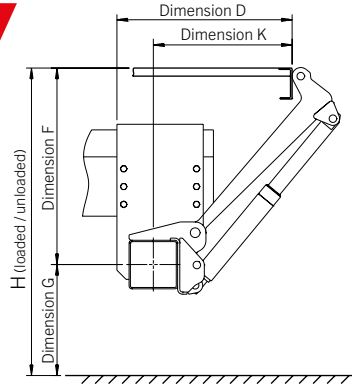
a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950
2,400	600



GREATER TRANSPORT CAPACITY FEWER COSTS

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,800	517 kg
2,100	539 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,428	1,548	1,651	1,793
H (min.) loading height, loaded	883	916	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	817	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	768	751	773	871	933
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
D (max.) installation dimension, maximum	876	970	1,057	1,190	1,282

TECHNICAL DATA

Type	MBB C 2000 L
Lifting capacity	2,000 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-63 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	750 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

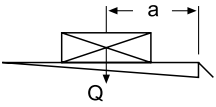
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2000 S

- The powerhouse in the distribution of professional goods
- 2,000 kg lifting capacity with 1,000 mm load distance
- Four-cylinder lifting mechanism with lifting arm lengths from 700 to 1,000 mm for versatile attachment to all common vehicle types
- Designed with aluminium or steel platform
- Large selection of optional equipment available

LOAD DIAGRAM

a (mm)	Q (kg)
1,000	2,000
1,250	1,600
1,600	1,250
1,900	1,050
2,200	910

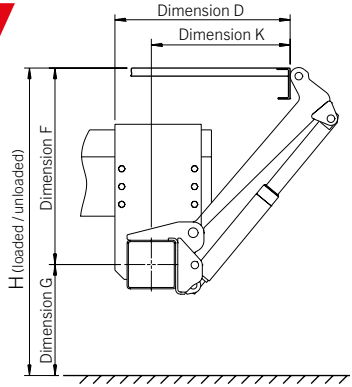


DYNAMIC LIFTING PERFORMANCE WITH 2,000 KG LIFTING CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,850	547 kg
2,100	569 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,009	735 kg
2,109	785 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000
H (max.) loading height, unloaded	1,160	1,345	1,444	1,651
H (min.) loading height, loaded	883	916	1,006	950
F (max.) middle of main beam to upper edge of loading floor	650	785	820	977
K (min.) at dimension F (max.)	618	641	751	721
D (min.) installation dimension, minimum	768	791	901	871
F (min.)	508	566	614	569
K (max.) at dimension F (min.)	726	820	907	1,041
D (max.) installation dimension, maximum	876	970	1,057	1,190

TECHNICAL DATA

Type	MBB C 2000 S
Lifting capacity	2,000 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-63 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

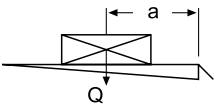
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2500 L

- The weight-optimised heavy-load tail lift
- 2,500 kg lifting capacity with 750 mm load distance
- Four-cylinder lifting mechanism with four lifting arm lengths from 700 to 1,000 mm
- Available with aluminium or steel platform
- Many options available

LOAD DIAGRAM

a (mm)	Q (kg)
750	2,500
900	2,050
1,100	1,700
1,600	1,150
2,400	750

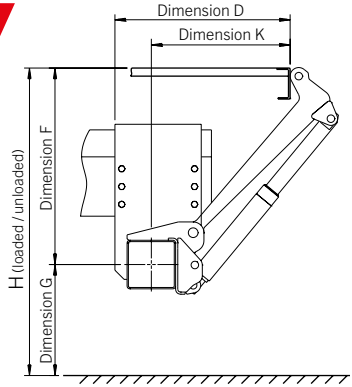


2,500 KG LIFTING CAPACITY WITH OPTIMISED WEIGHT

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
1,850	547 kg
2,100	569 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,009	735 kg
2,109	785 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000
H (max.) loading height, unloaded	1,160	1,345	1,444	1,651
H (min.) loading height, loaded	883	916	1,006	950
F (max.) middle of main beam to upper edge of loading floor	650	785	820	977
K (min.) at dimension F (max.)	618	641	751	721
D (min.) installation dimension, minimum	768	791	901	871
F (min.)	508	566	614	569
K (max.) at dimension F (min.)	726	820	907	1,040
D (max.) installation dimension, maximum	876	970	1,057	1,190

TECHNICAL DATA

Type	MBB C 2500 L
Lifting capacity	2,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-63 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	750 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

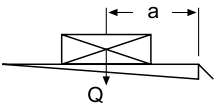
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2500 S

- Specially developed for the demands of the food and beverage industry, for example
- 2,500 kg lifting capacity with 1,000 mm load distance
- Robust four-cylinder lifting mechanism
- Either with steel or aluminium platform
- Optionally with clamped installation for I-beams
- Large selection of special equipment available

LOAD DIAGRAM

a (mm)	Q (kg)
1,000	2,500
1,400	1,785
1,600	1,560
1,800	1,385

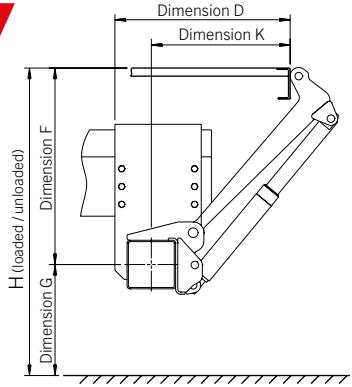


DAS KRAFTPAKET MIT 2500 KG TRAGKRAFT

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,050	690 kg
2,400	772 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,009	880 kg
2,409	941 kg



DIMENSIONS

Lifting arm lengths (mm)	900
H (max.) loading height, unloaded	1,554
H (min.) loading height, loaded	990
F (max.) middle of main beam to upper edge of loading floor	924
K (min.) at dimension F (max.)	655
D (min.) installation dimension, minimum	846
F (min.)	600
K (max.) at dimension F (min.)	920
D (max.) installation dimension, maximum	1,111
G (max.)	630
G (min.)	390

TECHNICAL DATA

Type	MBB C 2500 S
Lifting capacity	2,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-72 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

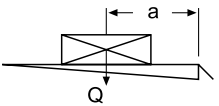
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2500 SK

- Installation on motor vehicles with a low-mount coupling system
- Ideal for use primarily in food and beverage logistics
- 2,500 kg lifting capacity with 1,000 mm load distance
- Hydraulically tiltable single-piece underride guard as standard
- Design with aluminium or steel platform
- Long lifting arm length enables level attachment

LOAD DIAGRAM

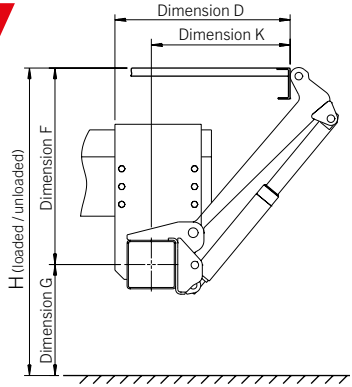
a (mm)	Q (kg)
1,000	2,500
1,400	1,785
1,600	1,560
1,800	1,385
2,400	1,040



FOR MOTOR VEHICLES WITH CLOSE-COUPLING SYSTEM

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,050	710 kg
2,200	757 kg
Steel platform type	
Platform width (mm)	2,400
Platform height (mm)	
2,009	880 kg
2,409	941 kg



DIMENSIONS

Lifting arm lengths (mm)	1,100
H (max.) loading height, unloaded	1,557
H (min.) loading height, loaded	920
F (max.) middle of main beam to upper edge of loading floor	820
K (min.) at dimension F (max.)	1,024
D (min.) installation dimension, minimum	1,189
F (min.)	420
K (max.) at dimension F (min.)	1,189
D (max.) installation dimension, maximum	1,354

TECHNICAL DATA

Type	MBB C 2500 SK
Lifting capacity	2,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-72 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

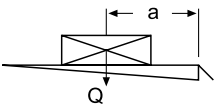
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 2500 SZ

- For steep attachment with extremely short vehicle overhangs
- 2,500 kg lifting capacity with 1,000 mm load distance
- Four-cylinder lifting mechanism with low installation depths
- Design with aluminium or steel platform
- Large selection of special equipment available

LOAD DIAGRAM

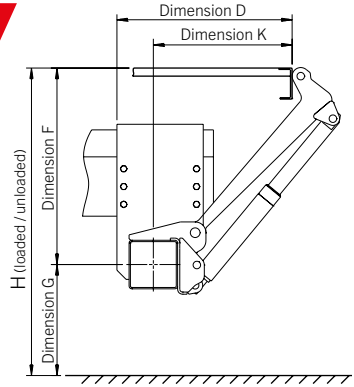
a (mm)	Q (kg)
1,000	2,500
1,400	1,785
1,600	1,560
1,800	1,385



STEEP ATTACHMENT SITUATION WITH 2,500 KG LIFTING CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,400	802 kg



DIMENSIONS

Lifting arm lengths (mm)	850
H (max.) loading height, unloaded	1,480
H (min.) loading height, loaded	1,090
F (max.) middle of main beam to upper edge of loading floor	940
K (min.) at dimension F (max.)	501
D (min.) installation dimension, minimum	692
F (min.)	705
K (max.) at dimension F (min.)	773
D (max.) installation dimension, maximum	964
G (max.) unloaded (middle of main beam to ground)	540
G (min.) loaded	385

TECHNICAL DATA

Type	MBB C 2500 SZ
Lifting capacity	2,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-72 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

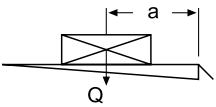
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB C 3000 S

- The tail lift for safe load handling in the most demanding situations
- 3,000 kg lifting capacity with 1,000 mm load distance
- Extremely robust four-cylinder lifting mechanism
- Available with steel or aluminium platform
- Large selection of special equipment available

LOAD DIAGRAM

a (mm)	Q (kg)
1,000	3,000
1,200	2,500
1,500	2,000
1,800	1,650
2,400	1,250

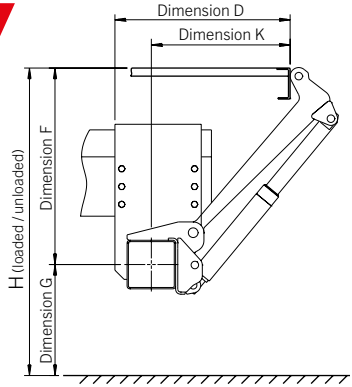


THE HARD-WEARING TAIL LIFT WITH 3,000 KG CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,050	720 kg
2,400	802 kg

Steel platform type	
Platform width (mm)	2,500
Platform height (mm)	
2,409	980 kg



DIMENSIONS

Lifting arm lengths (mm)	900	1,000
H (max.) loading height, unloaded	1,554	1,748
H (min.) loading height, loaded	1,030	1,180
F (max.) middle of main beam to upper edge of loading floor	924	1,027
K (min.) at dimension F (max.)	652	679
D (min.) installation dimension, minimum	807	834
F (min.)	645	795
K (max.) at dimension F (min.)	901	922
D (max.) installation dimension, maximum	1,056	1,077

TECHNICAL DATA

Type	MBB C 3000 S
Lifting capacity	3,000 kg
Main beam	190 x 190 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Platform overlap with floor	-72 mm
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+90° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

FOLDABLE TAIL LIFTS

VERSATILE AND EASY TO OPERATE

LOW SPACE REQUIREMENT

PALFINGER Foldable tail lifts are always ready for action when needed.

OUR EXPERTISE FOR YOUR SUCCESS

- Expert advice for attachment planning
- Technical project support for invitations to tender
- International sales and service network

COMPACT LIFTING AIDS

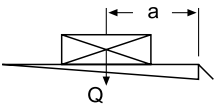
- 600 - 1,500 kg lifting capacity
- Direct, fast access to loading space with folded tail lift
- Simple rear loading and unloading on ramps
- Available in all aluminium or steel / aluminium
- Installation even possible with short vehicle overhangs
- Optionally available with ball-head coupling as well
- Variant for refrigerated vehicle bodies without rear profile available

MBB F 600 L

- Compact foldable tail lift for smaller vehicles
- 600 kg lifting capacity
- Lodging the platform under the rear of the vehicle
- Special single-cylinder design with mechanical ground tilting
- Aluminium or steel mesh platform
- Easy installation
- 1 lifting cylinder and 2 parallel struts

LOAD DIAGRAM

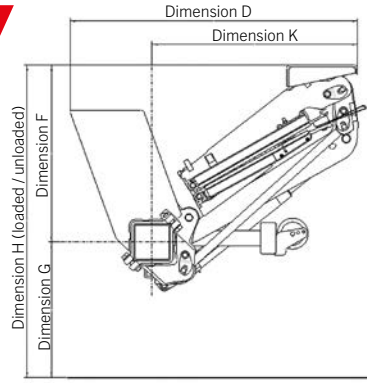
a (mm)	Q (kg)
600	600



COMPACT FOLDABLE TAIL LIFT WITH 600 KG LIFTING CAPACITY

WEIGHTS

Aluminium platform type	
Platform width (mm)	1,600
Platform height (mm)	
1,028	177 kg



DIMENSIONS

Lifting arm lengths (mm)	700
H (max.) loading height, unloaded	1,012
H (min.) loading height, loaded	835
F (max.) middle of main beam to upper edge of loading floor	572
K (min.) at dimension F (max.)	667
D (min.) installation dimension, minimum	933
F (min.)	540
K (max.) at dimension F (min.)	795
G (max.) unloaded (middle of main beam to ground)	1,061
G (min.) loaded	440
E (max.) vehicle frame width (max.)	295
E (min.) vehicle frame width (min.)	700-900

TECHNICAL DATA

Type	MBB F 600 L
Lifting capacity	600 kg
Main beam	120 x 40 mm
Lifting gear hydraulics	1 x lifting cylinder
Lifting arm pitch	186 mm
Load centre, longitudinal	500 mm
Load centre, across centre	500 mm
Load centre, across centre	Centrally , 50 % of the rated load side
Inclination angle of the platform	-9°

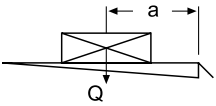
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB F 1000 L

- Compact and individual assembly
- 1,000 kg lifting capacity with 600 mm load distance
- Two lifting cylinders with reinforced parallel beams
- Design with steel / aluminium platform and aluminium / aluminium platform
- Three-piece underride guard
- Without rear-end section (RS)
- Large selection of special equipment available
- 2 lifting cylinder and 2 parallel struts

LOAD DIAGRAM

a (mm)	Q (kg)
600	1,000
750	800
950	600
1,400	400



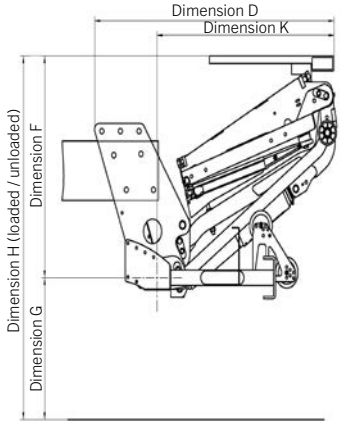
THE FOLDABLE TAIL LIFT WITH 1,000 KG LIFTING CAPACITY

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,030
Platform height (mm)	
1,200	283 kg

WEIGHTS

Aluminium / steel platform type	
Platform width (mm)	2,030
Platform height (mm)	
1,200	299 kg



DIMENSIONS

Lifting arm lengths (mm)	800
H (max.) loading height, unloaded	1,175
H (min.) loading height, loaded	970
F (max.) middle of main beam to upper edge of loading floor	715
K (min.) at dimension F (max.)	787
D (min.) installation dimension, minimum	1062
F (min.)	640
K (max.) at dimension F (min.)	844
G (max.) unloaded (middle of main beam to ground)	460
G (min.) loaded	330
E (max.) vehicle frame width (max.)	864
E (min.) vehicle frame width (min.)	850

TECHNICAL DATA

Type	MBB F 1000 L
Lifting capacity	1,000 kg
Main beam	120 x 180 mm
Lifting gear hydraulics	2 lifting cylinders
Lifting arm pitch	750 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+8° to -8°

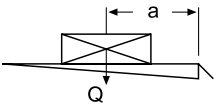
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB F 1500 L

- The Tail Lift for a variety of tasks in logistics with different load requirements
- 1,500 kg lifting capacity with 600 mm load distance
- Two lifting cylinders with reinforced parallel beams
- All-aluminium platform for easy folding and unfolding
- Three-piece underride guard
- Also available without rear-end section (RS) for refrigerated vehicle body applications
- Large selection of special equipment available
- 2 lifting cylinder and 2 parallel struts

LOAD DIAGRAM

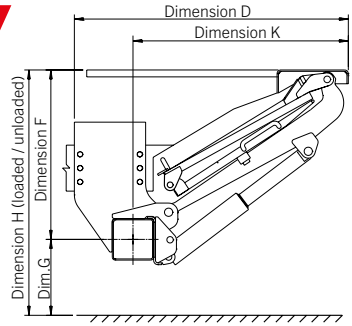
a (mm)	Q (kg)
600	1,500
720	1,250
900	1,000
1,200	750



THE FOLDABLE TAIL LIFT WITH 1,500 KG LIFTING CAPACITY

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,030
Platform height (mm)	
1,200	299 kg



DIMENSIONS

Lifting arm lengths (mm)	900 with RS	900 without RS	1,000 without RS
H (max.) loading height, unloaded	1,455	1,420	1,560
H (min.) loading height, loaded	1,085	1,080	1,125
F (max.) middle of main beam to upper edge of loading floor	815	850	900
K (min.) at dimension F (max.)	841	812	915
D (min.) installation dimension, minimum	K+340	K+340	K+340
F (min.)	685	680	705
K (max.) at dimension F (min.)	958	970	1,070
G (max.) unloaded (middle of main beam to ground)	640	570	660
G (min.) loaded	400	400	420
E (max.) vehicle frame width (max.)	980	980	980
E (min.) vehicle frame width (min.)	650	650	650

TECHNICAL DATA

Type	MBB F 1500 L
Lifting capacity	1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders
Lifting arm pitch	1,310 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+8° to -8°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB F 1000 SH / SX
MBB F 1500 LH / LX

F 1000 SH / F 1500 LH

- The versatile fold-under tail lift
- 1,000 / 1,500 kg lifting capacity
- Proven four-cylinder design
- Three-piece underride guard for greater safety
- Hydraulic support for folding and unfolding
- Convenient "MBB CONTROL PLUS" control as standard
- Welded brackets for easy installation
- Optionally available with fixture for ball-head coupling

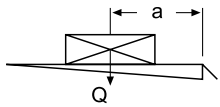
F 1000 SX / F 1500 LX

- See F 1000 SH / F 1500 LH
- Version without rear-end section optimal for refrigerated body applications thanks to adapted lifting arm contour

LOAD DIAGRAM

MBB F 1000 SH / SX	
a (mm)	Q (kg)
600	1,000
750	800
1,000	600
1500	400

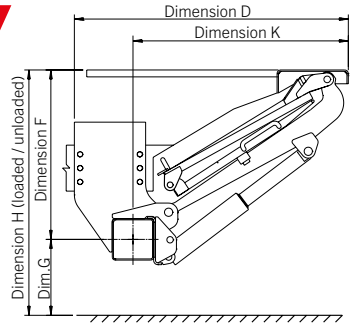
MBB F 1500 LH / LX	
a (mm)	Q (kg)
600	1,500
720	1,250
900	1,000
1,200	750



THE VERSATILE TAIL LIFT
FOLD-UNDER TAIL LIFT

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,300
Platform height (mm)	
1,605	478 kg



DIMENSIONS

	SH	SH / SX		LH / LX	
Lifting arm lengths (mm)	800	900	1,000	900	1,000
H (max.) loading height, unloaded	1,420	1,546	1,550	1,546	1,550
H (min.) loading height, loaded	972	1,102	1,172	1,102	1,230
F (max.) middle of main beam to upper edge of loading floor	822	896	980	896	980
K (min.) at dimension F (max.)	694	763	815	806	860
D (min.) installation dimension, minimum	1,065 - 850	1,215 - 1,000	1,130 - 1,070	1,245 - 1,030	1,320 - 1,080
F (min.)	607	737	794	737	794
K (max.) at dimension F (min.)	910	937	1,023	980	1,065
G (max.) unloaded (middle of main beam to ground)	598	650	570	650	570
G (min.) loaded	365	365	378	365	440
E (max.) vehicle frame width (max.)	1,120	1,120	1,120	1,120	1,120
E (min.) vehicle frame width (min.)	750	750	750	750	750

TECHNICAL DATA

Type	MBB F 1000 SH / SX / F 1500 LH / LX
Lifting capacity	1,000 / 1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders
Lifting arm pitch	1,310 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

RETRACTABLE TAILLIFTS

SOPHISTICATED MODELS- CONVENIENT TO OPERATE

FLEXIBILITY IN USE

PALFINGER Retractable tail lifts offer variable options for loading and unloading vehicles using the forklift, on ramps or using the tail lift.

OUR EXPERTISE FOR YOUR SUCCESS

- Expert advice for attachment planning
- Technical project support for invitations to tender
- International sales and service network

USER-FRIENDLY AND DURABLE

- Free access to vehicle body thanks to space-saving attachment under vehicle rear
- Unfolding with spring support or hydraulic assistance (depending on type)
- Also suitable for vehicles with a short overhang
- The hydraulic moving unit is protected against contamination
- Platform package serves as underride guard
- User-friendly control of the extension and retraction process with the MBB CONTROL and EasyMove control (optional)
- Alternative drive available (CCD-LGD)

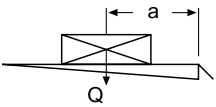
MBB R 750 SM
MBB R 1000 LM

- 750 / 1,000 kg lifting capacity with four cylinders and 600 mm load distance
- Double fold aluminium platform
- Ideal for use on vehicles with short overhangs
- All-aluminium platform design
- Spring-supported folding section
- Platform housing serves as underride guard
- Powerful moving cylinder for horizontal positioning of the tail lift
- Compact design thanks to a torsion-resistant steel moving frame, pre-assembled end beam and welded brackets
- Control box holder for installation on the moving unit
- Plate or bridging projection for door lock assembly (optional)

LOAD DIAGRAM

MBB R 750 SM	
a (mm)	Q (kg)
600	750
700	650
820	550

MBB R 1000 LM	
a (mm)	Q (kg)
600	1,000
750	800
950	800



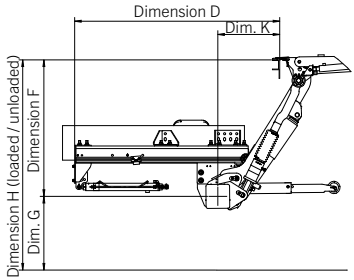
DOUBLE-FOLD PLATFORM FOR SHORT OVERHANGS

WEIGHT MBB R 750 SM

Aluminium / aluminium platform type	
Platform width (mm)	2,000
Platform height (mm)	
1,180	305 kg

WEIGHT MBB R 1000 SM

Aluminium / aluminium platform type	
Platform width (mm)	2,000
Platform height (mm)	
1,180	326 kg



DIMENSIONS

	R 750 SM	R 1000 LM
Lifting arm lengths (mm)	600	600 / 700
H (max.) loading height, unloaded	1,000	1,130
H (min.) loading height, loaded	715	890
F (max.) middle of main beam to upper edge of loading floor	550	630
K (min.) at dimension F (max.)	548	610
D (min.) installation dimension, minimum	985*	1,087
F (min.)	385	390
K (max.) at dimension F (min.)	660	765
G (max.) unloaded (middle of main beam to ground)	450	500
G (min.) loaded	330	330
E (max.) vehicle frame width (max.)	870	870
E (min.) vehicle frame width (min.)	750	750

TECHNICAL DATA

Type	MBB R 750 SM	MBB R 1000 LM
Lifting capacity	750 kg	1,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	1,320 mm	1,320 mm
Load centre, longitudinal	600 mm	600 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform		+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

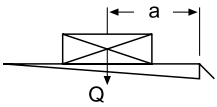
MBB R 1000 S
MBB R 1500 L

- 1,000 / 1,500 kg lifting capacity with four cylinders and 700 / 600 mm load distance
- Simple-fold platform
- Modular, boltable design for adaptation to a wide range of vehicle types
- All-aluminium or steel / aluminium platform design
- Spring-supported folding part
- Platform housing serves as underride guard
- Bridging projection for espagnolettes
- Available with powerful central cylinder drive (CCD) or efficient lateral gear drive (LGD)
- Optimal adaptation to motor vehicles and trailers thanks to a wide range of different lifting arm lengths and pitches
- Moving rails in steel as standard (aluminium option available)
- Completely pre-assembled option with energy chain

LOAD DIAGRAM

MBB R 1000 S	
a (mm)	Q (kg)
700	1,000
875	800
1,150	600
1,700	400

MBB R 1500 L	
a (mm)	Q (kg)
600	1,500
720	1,250
900	1,000
1,200	750



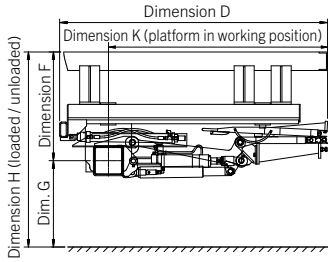
THE RETRACTABLE TAIL LIFT WITH 1,000 KG LIFTING CAPACITY

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	598 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	688 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900
H (max.) loading height, unloaded	1,256	1,409	1,546
H (min.) loading height, loaded	906	922	998
F (max.) middle of main beam to upper edge of loading floor	728	811	894
K (min.) at dimension F (max.)	515	571	627
D (min.) installation dimension, minimum	1,800	1,800	1,900
F (min.)	529	572	625
K (max.) at dimension F (min.)	710	801	886
G (max.) unloaded (middle of main beam to ground)	528	598	652
G (min.) loaded	377	350	373
E (max.) vehicle frame width (max.)	920	920	920
E (min.) vehicle frame width (min.)	645	645	645

TECHNICAL DATA

Typ	MBB R 1000 S	MBB R 1500 L
Lifting capacity	1,000 kg	1,500 kg
Main beam	180x180 mm	180x180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / CCD: 1 moving cylinder	
Lifting arm pitch		760 / 1310 / 1490 mm
Load centre, longitudinal	700 mm	600 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+10° to -10°	+10° to -10°

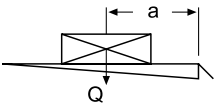
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB R 1500 L FLAT

- Suitable for truck and trailer applications
- User -friendly simple operation
- Safety gates optional for more security
- Fast and easy installation
- Sturdy steel platform
- Platform with laterally foldable ramps

LOAD DIAGRAM

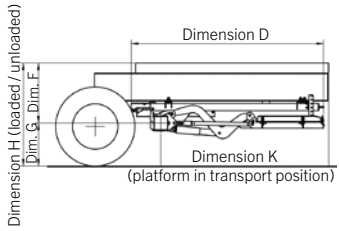
a (mm)	Q (kg)
600	1,500
720	1,250
900	1,000
1,200	750



THE FLAT RETRACTABLE LIFT WITH 1,500 KG LIFTING CAPACITY

WEIGHTS

Steel platform type	
Platform width (mm)	2,330
Platform height (mm)	1,200
Weight (kg)	690



DIMENSIONS

Model	TRUCK	TRAILER
Lifting arm lengths (mm)	**900**	**1000**
H (max.) loading height, unloaded	1,300	1,320
H (min.) loading height, loaded	780	800
F (max.) middle of main beam to upper edge of loading floor	780	770
K (min.) at dimension F (max.)	360	414
D (min.) installation dimension, minimum	2,074	2,176
F (min.)	480	450
K (max.) at dimension F (min.)	670	790
D (max.) installation space (max.)	2,399	2,464
G (max.) unloaded (middle of main beam to ground)	520	550
G (min.) loaded	330	410

TECHNICAL DATA

Type	MBB R 1500 L FLAT
Lifting capacity	1,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 cylinders / 1 moving cylinder
Lifting arm pitch	2,180 mm
Load centre, longitudinal	600 mm
Load centre, across centre	Centrally , 50% of the rated load side
Inclination angle of the platform	+10 ° to -10 °

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

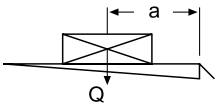
MBB R 1500 S
MBB R 2000 L

- 1,500 / 2,000 kg lifting capacity with four cylinders and 750 / 1,000 mm load distance
- Simple folding platform
- Modular, bolted design for adaption to a wide range of vehicle types
- All-aluminium or steel / aluminium platform design
- Spring-supported folding part
- Platform package serves as under-run guard
- Bridging projection for espagnolettes
- Powerful lifting cylinder for horizontal positioning of the tail lift
- Optimal adaption to vehicles and trailers thanks to a wide range of different lifting arm lengths and pitches
- Moving rails in steel as standard, optionally available in aluminium
- Completely pre-assembled option available with energy chain

LOAD DIAGRAM

MBB R 1500 S	
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800

MBB R 2000 L	
a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950



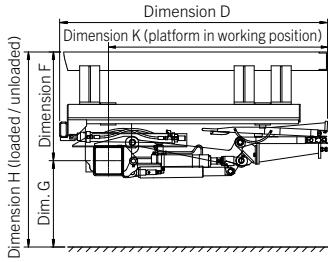
THE RETRACTABLE TAIL LIFT WITH 1,500 KG LIFTING CAPACITY

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	665 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	770 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,428	1,548	1,651	1,793
H (min.) loading height, loaded	883	916	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	817	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	1,800	1,800	1,900	1,900	2,000
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
G (max.) unloaded (middle of main beam to ground)	550	611	624	674	737
G (min.) loaded	375	350	392	381	415
E (max.) vehicle frame width (max.)	920	920	920	920	920
E (min.) vehicle frame width (min.)	645	645	645	645	645

TECHNICAL DATA

Type	MBB R 1500 L	MBB R 2000 L
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	750 / 1300 / 1480 mm	
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+10° to -10°	+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

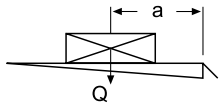
MBB R 1500 S TRAILER
MBB R 2000 L TRAILER

- 1,500 / 2,000 kg lifting capacity with four cylinders and 1,000 / 800 mm load distance
- Available with central cylinder drive (CCD) or lateral gear drive (LGD)
- Efficient gear drive (LGD)
- Simple-fold platform
- Specially for centre-axle trailers and semi-trailers with short overhangs
- Installation possible on vehicles with a frame width of approximately 1,300 mm
- Steel / aluminium platform design
- Spring-supported folding
- Platform package serves as underride guard
- Bridging projection for espagnolettes (optionally in aluminium as well)
- Powerful moving cylinder for horizontal positioning of the tail lift
- High degree of pre-assembly thanks to a torsion-resistant steel moving frame, pre-assembled end beam and welded brackets
- Control box holder for installation on the moving unit

LOAD DIAGRAM

MBB R 1500 S TRAILER	
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800

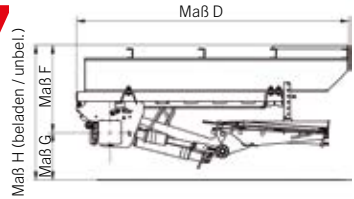
MBB R 2000 L TRAILER (CCD)	
a (mm)	Q (kg)
800	2,000
900	1,650
1,100	1,300
1,600	950



THE TRAILER TAIL LIFT EASY TO INSTALL

WEIGHTS (CCD)

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,900	621 kg



DIMENSIONS

Lifting arm lengths (mm)	800	900
H (max.) loading height, unloaded	1,381	1,441
H (min.) loading height, loaded	916	1,006
F (max.) middle of main beam to upper edge of loading floor	770	817
K (min.) at dimension F (max.)	601	623
D (min.) installation dimension, minimum	1,924	2,066
F (min.)	566	614
K (max.) at dimension F (min.)	820	907
G (max.) unloaded (middle of main beam to ground)	611	624
G (min.) loaded	350	392
E (max.) vehicle frame width (max.)	1,490	1,490
E (min.) vehicle frame width (min.)	1,330	1,330

TECHNICAL DATA

Type	MBB R 1500 S TRAILER	MBB R 2000 L TRAILER
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics (only CCD)	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	820 mm	820 mm
Load centre, longitudinal	1,000 mm	800 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+10° to -10°	+10° to -10°

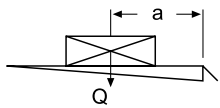
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB R 2000 S TRAILER
MBB R 2500 L TRAILER

- 2,000 / 2,500 kg lifting capacity with four cylinders and 1,000 / 750 mm load distance
- Available with central cylinder drive (CCD) or lateral gear drive (LGD)
- Efficient gear drive (LGD)
- Simple-fold platform
- Specially for centre-axle trailers and semi-trailers with short overhangs
- Installation possible on vehicles with a frame width of approximately 1,300 mm
- Steel / aluminium platform design
- Spring-supported folding
- Platform package serves as underride guard
- Bridging projection for espagnolettes (optionally in aluminium as well)
- Powerful moving cylinder for horizontal positioning of the tail lift
- High degree of pre-assembly thanks to a torsion-resistant steel moving frame, pre-assembled end beam and welded brackets
- Control box holder for installation on the moving unit

LASTDIAGRAMM

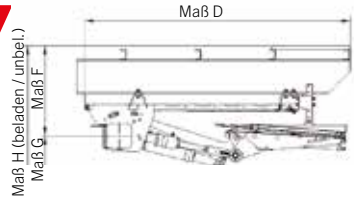
MBB R 2000 S TRAILER		MBB R 2500 L TRAILER (CCD)	
a (mm)	Q (kg)	a (mm)	Q (kg)
1,000	2000	750	2,500
1,200	1650	900	2,050
1,500	1350	1,100	1,700
1,800	1100	1,600	1,150
2,100	950	2,400	750



THE TRAILER TAIL LIFT EASY TO INSTALL

WEIGHTS (CCD)

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,900	623 kg



DIMENSIONS

Lifting arm lengths (mm)	800	900
H (max.) loading height, unloaded	1,381	1,441
H (min.) loading height, loaded	916	1,006
F (max.) middle of main beam to upper edge of loading floor	770	817
K (min.) at dimension F (max.)	601	623
D (min.) installation dimension, minimum	1,924	2,066
F (min.)	566	614
K (max.) at dimension F (min.)	820	907
G (max.) unloaded (middle of main beam to ground)	611	624
G (min.) loaded	350	392
E (max.) vehicle frame width (max.)	1,490	1,490
E (min.) vehicle frame width (min.)	1,330	1,330

TECHNICAL DATA

Type	MBB R 2000 S TRAILER	MBB R 2500 L TRAILER
Lifting capacity	2,000 kg	2,500 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics (only CCD)	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	820 mm	820 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+10° to -10°	+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

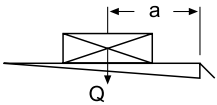
MBB R 1500 S TRUCK
MBB R 2000 L TRUCK

- Lifting capacity 1,500 / 2,000 kg with four cylinders and 750 / 1,000 mm load distance
- Simple-fold platform
- Specially designed for installation on motor vehicles
- Optimal adaptation for different frame widths of 750 - 865 mm
- Steel / aluminium platform design
- Spring-supported folding section
- Platform housing serves as underride guard
- Steel bridging projection for espagnolettes
- Powerful cylinder for horizontal positioning of the tail lift
- Compact design thanks to a torsion-resistant steel moving frame, pre-assembled end beam and welded brackets
- Control box holder for installation on the moving unit

LOAD DIAGRAM

MBB R 1500 S TRUCK	
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800

MBB R 2000 L TRUCK	
a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950



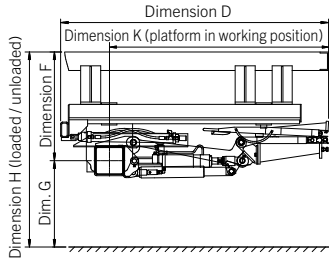
THE SPECIAL RETRACTABLE TAIL LIFT FOR MOTOR VEHICLES

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	615 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	648 kg



DIMENSIONS

Lifting arm lengths (mm)	800	900
H (max.) loading height, unloaded	1,428	1,548
H (min.) loading height, loaded	916	1,006
F (max.) middle of main beam to upper edge of loading floor	817	924
K (min.) at dimension F (max.)	601	623
D (min.) installation dimension, minimum	1,870	1,970
F (min.)	566	614
K (max.) at dimension F (min.)	820	907
G (max.) unloaded (middle of main beam to ground)	611	624
G (min.) loaded	350	392
E (max.) vehicle frame width (max.)	866	866
E (min.) vehicle frame width (min.)	752	752

TECHNICAL DATA

Type	MBB R 1500 S TRUCK	MBB R 2000 L TRUCK
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	1,300 mm	1,300 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform		+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

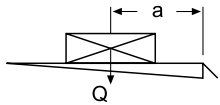
MBB R 1500 SK
MBB R 2000 LK

- Specially designed for motor vehicles with low-mount coupling systems
- 1,500 / 2,000 kg lifting capacity with four cylinders and 750 / 1,000 mm load distance
- Simple-fold platform
- Great freedom of motion for drawbar thanks to space-saving main beam
- Optimal adaptation to motor vehicles thanks to a wide range of different lifting arm lengths and pitches
- All-aluminium or steel / aluminium platform design
- Spring-supported folding part
- Platform package serves as underride guard
- Bridging projection for espagnolettes
- Powerful moving cylinder for horizontal positioning of the tail lift
- Moving rails in steel as standard, optionally available in aluminium
- Optionally available completely pre-assembled with energy chain

LOAD DIAGRAM

MBB R 1500 SK	
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800

MBB R 2000 LK	
a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950



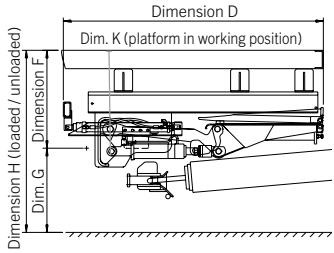
FOR MOTOR VEHICLES WITH CLOSE-COUPLING SYSTEM

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	710 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	795 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,428	1,548	1,651	1,793
H (min.) loading height, loaded	883	1,011	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	817	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	1,630	1,740	1,740	1,840	1,840
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
G (max.) unloaded (middle of main beam to ground)	550	611	624	674	737
G (min.) loaded	375	445	392	381	415
E (max.) vehicle frame width (max.)	1,070	1,070	1,070	1,070	1,070
E (min.) vehicle frame width (min.)	800	750	800	800	800

TECHNICAL DATA

Type	MBB R 1500 SK	MBB R 2000 LK
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	700 mm	1,100 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	0° to -10°	0° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

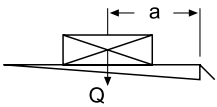
MBB R 2000 S
MBB R 2500 L

- 2,000 / 2,500 kg lifting capacity with four cylinders and 1,000 / 750 mm load distance
- Simple-fold platform
- Modular, boltable design for adaptation to a wide range of vehicle types
- All-aluminium or steel / aluminium platform design
- Spring-supported folding part
- Platform package serves as underride guard
- Bridging projection for espagnolettes
- Powerful moving cylinder for horizontal positioning of the tail lift
- Optimal adaptation to motor vehicles and trailers thanks to a wide range of different lifting arm lengths and pitches
- Moving rails in steel as standard, optionally available in aluminium
- Completely pre-assembled option with energy chain

LOAD DIAGRAM

MBB R 2000 S	
a (mm)	Q (kg)
1,000	2,000
1,200	1,650
1,500	2,000
1,850	1,650

MBB R 2500 L	
a (mm)	Q (kg)
750	2,500
900	2,050
1,100	2,500
1,600	2,050



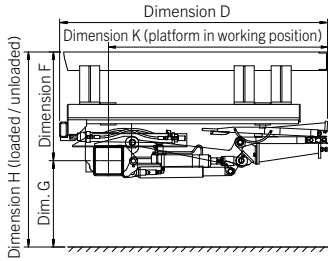
THE RETRACTABLE TAIL LIFT POWERFUL AND RELIABLE

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	665 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	770 kg



DIMENSIONS

Lifting arm lengths (mm)	700	800	900	1,000	1,100
H (max.) loading height, unloaded	1,200	1,346	1,548	1,651	1,793
H (min.) loading height, loaded	883	916	1,006	950	1,023
F (max.) middle of main beam to upper edge of loading floor	650	785	924	977	1,056
K (min.) at dimension F (max.)	618	601	623	721	783
D (min.) installation dimension, minimum	1,800	1,800	1,900	1,900	2,000
F (min.)	508	566	614	569	608
K (max.) at dimension F (min.)	726	820	907	1,040	1,132
G (max.) unloaded (middle of main beam to ground)	550	611	624	674	737
G (min.) loaded	375	350	392	381	415
E (max.) vehicle frame width (max.)	920	920	920	920	920
E (min.) vehicle frame width (min.)	645	645	645	645	645

TECHNICAL DATA

Type	MBB R 2000 S	MBB R 2500 L
Lifting capacity	2,000 kg	2,500 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch	750 / 1300 / 1480 mm	
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	+10° to -10°	+10° to -10°

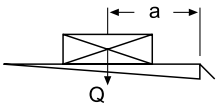
Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

MBB R 2500 S

- 2,500 kg lifting capacity with four cylinders and 1,000 mm load distance
- Simple-fold platform
- Modular, boltable design for adaptation to a wide range of vehicle types
- All-aluminium or steel / aluminium platform design
- Spring-supported folding section
- Platform package serves as underride guard
- Bridging projection for espagnolettes
- Powerful moving cylinder for horizontal positioning of the tail lift
- Optimal adaptation to motor vehicles and trailers thanks to a wide range of different lifting arm lengths and pitches
- Moving rails in steel as standard
- Completely pre-assembled option with energy chain

LOAD DIAGRAM

a (mm)	Q (kg)
1,000	2,500
1,400	1,785
1,600	1,560
1,800	1,385
2,400	1,040



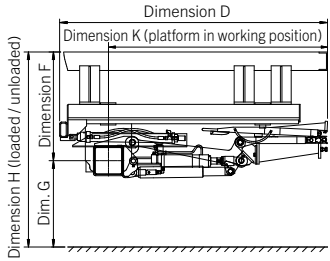
THE POWER PACKAGE FOR DAILY USE

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,805	778 kg

WEIGHTS

Steel / aluminium platform type	
Platform width (mm)	2,400
Platform height (mm)	
1,800	860 kg



DIMENSIONS

Lifting arm lengths (mm)	900
H (max.) loading height, unloaded	1,554
H (min.) loading height, loaded	1,030
F (max.) middle of main beam to upper edge of loading floor	924
K (min.) at dimension F (max.)	654
D (min.) installation dimension, minimum	1,830
F (min.)	645
K (max.) at dimension F (min.)	901
G (max.) unloaded (middle of main beam to ground)	630
G (min.) loaded	358
E (max.) vehicle frame width (max.)	935
E (min.) vehicle frame width (min.)	650

TECHNICAL DATA

Type	MBB R 2500 S
Lifting capacity	2,500 kg
Main beam	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder
Lifting arm pitch	1,300 mm
Load centre, longitudinal	1,000 mm
Load centre, across centre	Central, 50% of rated load on one side
Inclination angle of the platform	+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

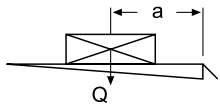
MBB R 1500 SM
MBB R 2000 LM

- 1,500 / 2,000 kg lifting capacity with four cylinders and 1,000 / 750 mm load distance
- Double-fold aluminum platform, spring-supported
- For short overhangs from 1,510 mm
- Compact design thanks to a torsion-resistant steel moving frame, pre-assembled end beam and welded brackets
- Spring-supported folding section
- Platform package serves as underride guard
- Powerful moving cylinder for horizontal positioning of the tail lift
- Aluminium guide rails available as an option
- Pre-assembled option with energy chain
- Bridging plate in aluminium optional for espagnolettes
- In combination with a bridging plate, also suitable for vehicles with a BDF body

LOAD DIAGRAM

MBB R 1500 SM	
a (mm)	Q (kg)
1,000	1,500
1,250	1,200
1,500	1,000
1,750	850

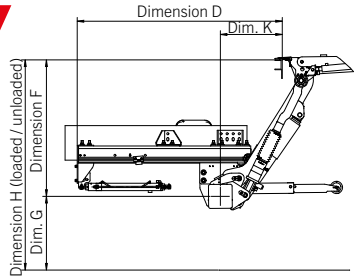
MBB R 2000 LM	
a (mm)	Q (kg)
750	2,000
1,000	1,500
1,500	1,000
1,750	850



DOUBLE-FOLD SHORT OVERHANG

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,300
Platform height (mm)	
1,705	640 kg
1,805	650 kg



DIMENSIONS

Lifting arm lengths (mm)	1,040
H (max.) loading height, unloaded	1,711
H (min.) loading height, loaded	1,060
F (max.) middle of main beam to upper edge of loading floor	1,111
K (min.) at dimension F (max.)	536
D (min.) installation dimension, minimum	1,500
F (min.)	714
K (max.) at dimension F (min.)	1,006
G (max.) unloaded (middle of main beam to ground)	600
G (min.) loaded	340
E (max.) vehicle frame width (max.)	870
E (min.) vehicle frame width (min.)	750

TECHNICAL DATA

Type	MBB R 1500 SM	MBB R 2000 LM
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder	
Lifting arm pitch		1,300 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform		+10° to -10°

Some of the tail lifts pictured feature special customer-specific equipment. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

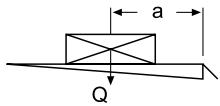
MBB R 1500 SH
MBB R 2000 LH

- 1,500 / 2,000 kg lifting capacity with four cylinders and 750 / 1,000 mm load distance
- Double-fold platform
- Specially designed for short overhangs and swap bodies (BDF)
- All-aluminium, anodised platform design
- Extension / retraction and folding / unfolding processes are effected hydraulically with just one operating step
- Platform housing serves as underride guard
- Self-assembling bridging plate with fold-back mechanism
- Powerful cylinder for horizontal positioning of the tail lift
- Moving rails in aluminium as standard
- Completely pre-assembled with energy chain
- Lifting mechanism painted in RAL 9011
- Patented fast installation for all common vehicles with chassis widths of 758 - 800 / 810 - 870 mm

LASTDIAGRAMM

MBB R 1500 SH	
a (mm)	Q (kg)
1,000	1,500
1,200	1,250
1,500	1,000
1,850	800

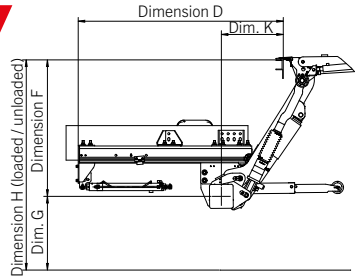
MBB R 2000 LH	
a (mm)	Q (kg)
750	2,000
900	1,650
1,100	1,300
1,600	950



INTELLIGENT TAIL LIFT HYDRAULIC UNFOLDING

WEIGHTS

Aluminium / aluminium platform type	
Platform width (mm)	2,300
Platform height (mm)	
1,805	775 kg



DIMENSIONS

Lifting arm lengths (mm)	1,040
H (max.) loading height, unloaded	1,711
H (min.) loading height, loaded	1,054
F (max.) middle of main beam to upper edge of loading floor	1,110
K (min.) at dimension F (max.)	510
D (min.) installation dimension, minimum	1,544
F (min.)	714
K (max.) at dimension F (min.)	949
G (max.) unloaded (middle of main beam to ground)	600
G (min.) loaded	290
E (max.) vehicle frame width (max.)	870
E (min.) vehicle frame width (min.)	758

TECHNICAL DATA

Type	MBB R 1500 SH	MBB R 2000 LH
Lifting capacity	1,500 kg	2,000 kg
Main beam	180 x 180 mm	180 x 180 mm
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 1 moving cylinder / 1 unfolding cylinder	
Lifting arm pitch	1,300 mm	1,300 mm
Load centre, longitudinal	1,000 mm	750 mm
Load centre, across centre	Central, 50% of rated load on one side	
Inclination angle of the platform	0° to -10°	0° to -10°

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VERTICAL LIFTS LIGHTWEIGHT DESIGN

500 - 1,000 KG LIFTING CAPACITY

NEW EXPERIENCES IN TRADITION

Since 1948 column lifts are developed and manufactured for the light duty range (500-1,000 kg). Known Worldwide under the former name Ratcliff has developed a column lift that offers a practical solution to the daily challenges in logistics

PALFINGER in Ganderkesee have now launched the V-Range with capacities of 500 and 1,000 kg.
The V-Range includes:

- Multiple platform Depths
- Mesh inserts
- Trolley stops
- Dropside fitting kit
- Enhanced quality
- Safety gates
- Ramps
- Plug and play Anderson lead option

For further questions please contact our sales team.

NEW V-RANGE IMPROVEMENTS

- The new V 500 LQ is the lightest column lift in the market
- Time saving due to simple installation
- Enhanced quality
- High safety standards
- Low-maintenance components

V 500 LQ
THE LIGHTWEIGHT COLUMN LIFT

FEATURES

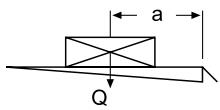
- 500 kg lifting capacity
- Easy and fast installation
- Strong chain
- Easy maintenance due to accessibility
- Anodised aluminum platform
- Mesh platform optional

DIMENSIONS

Lifting capacity	500 kg
Column width	64 mm
Width between columns	C/C-64 mm
Maximum width over columns	C/C+64 mm
Column centres - C/C	1955 / 1996 / 2036 / 2156 / 2022 / 2047 / 2122 / 2200 mm
Maximum floor height	1100 mm
Platform depths	770 / 920 / 1070 / 1220 mm
Platform type	Aluminium or Mesh platform
Weight	approx. 150 kg

LOAD DIAGRAM

a (mm)	Q (kg)
600	500
700	430
820	360
1,120	260



V 1000 LQ
THE STANDARD COLUMN LIFT

FEATURES

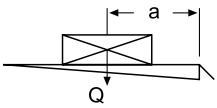
- 1000 kg lifting capacity
- Easy and fast installation
- Strong chain
- Easy maintenance due to accessibility
- Anodised aluminum platform
- Platform with fix leading edge or ramps

DIMENSIONS

Lifting capacity	1000 kg
Column width	64 mm
Width between columns	C/C-64 mm
Maximum width over columns	C/C+64 mm
Column centres - C/C	2220 / 2300 / 2350 / 2370 / 2420 / 2450 / 2470 mm
Maximum floor height	1250 mm
Platform depths	770 / 920 / 1070 / 1220 mm
Platform type	Aluminium
Weight	approx. 280 kg

LOAD DIAGRAM

a (mm)	Q (kg)
600	1,000
750	800
950	600
1,400	400



VERTICAL LIFTS POWERFUL PERFORMANCE

1,000 - 4,000 KG LIFTING CAPACITY

STRONG PERFORMANCE

Vertical lifts from PALFINGER are developed with state-of-the-art 3D-CAD-programs. They are characterised by the particularly low-maintenance and reliable technology.

WE OFFER MORE

- Lightweight design with all-aluminium platforms
- The compact design allows an easy installation of the rear portal frame
- State-of-the-art control units for convenient operation – MBB CONTROL
- Locking of the entire rear portal possible, no additional top flap required

VERTICAL LIFTS FOR EVERY REQUIREMENT

- For installation on vehicles where a mount on the chassis is not possible (both trucks and trailers)
- For double-deck transportation with several loading levels
- Transportation of racing cars
- Container loading
- Large selection of drive-on ramps
- Safe operation due to rail-guards on the side of the platform
- Individual adaptations for a variety of different vehicles

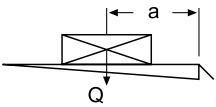
MBB V 1000-1500 SCL / SML
1,000 - 1,500 KG
LIFTING CAPACITY

EQUIPMENT

- Lifting capacity 1,000 / 1,500 kg at 1,000 mm load distance
- Specially for transportation of vehicles SCL
- For mobile applications, e. g. skiploaders containers (SML)
- Low-maintenance drive positioned above (SCL&SML)
- Large platform with dimensions 3,450 x 2,420 mm
- The mounting frame made from KTL-coated steel can be directly attached to the vehicle frame
- Integrated platform locking via the upper drive box

LOAD DIAGRAM

Q lifting capacity (kg)	1,000	1,500
a load distance (mm)	1,000	1,000



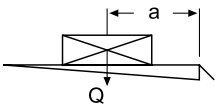
MBB V 2000 - 4000 SCL / SML 2000 - 4000 KG LIFTING CAPACITY

EQUIPMENT

- Lifting capacity 2,000 / 2,500 / 3,000 / 4,000 kg at 1,000 mm load distance
- For transporting vehicles with clear width of up to 2,450 mm (SCL)
- For mobile applications, e. g. skiploaders containers (SML)
- Low-maintenance drive positioned below (SCL)
- Large, all-aluminium platforms with a robust steel frame
- The mounting frame made from KTL-coated steel can be directly screwed into the vehicle
- Many options available

LOAD DIAGRAM

Q lifting capacity (kg)	2,000	2,500	3,000
a load distance (mm)	1,000	1,000	1,000

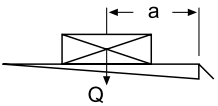


MBB V 4000 S

- 4,000 kg lifting capacity with 1,500 mm load distance
- Specially for double-decker trailers
- Control via MBB CONTROL CAN-BUS technology
- Aluminium / steel platform with top flap in the rear portal or full-closure
- Low-maintenance
- Easy installation due to screw connections with the rear portal
- KTL + powder coating for all exterior steel components
- X platform height 2,771 mm / 3,775 mm (standard)

LOAD DIAGRAM

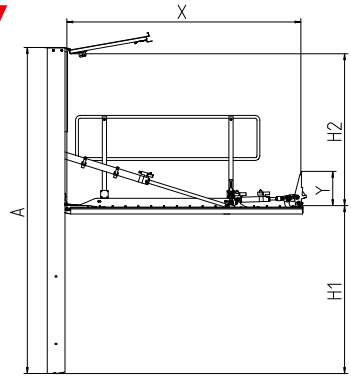
a (mm)	Q (kg)
1,500	4,000
1,750	3,400
2,000	3,000
2,250	2,600
2,500	2,400



THE POWERFUL VERTICAL LIFT FOR DEMANDING APPLICATIONS

WEIGHTS

Aluminium platform type	
Platform width (mm)	2,500 mm
Platform height (mm)	
2,771 mm	from 1,390 kg



DIMENSIONS

A lifting height	3,864 mm
B lifting width	2,543 mm
H1 height of deck 1	1,900 mm
H2 height of deck 2	1,798 mm
X platform height	2,771 mm / 3,775 mm (standard)
Y length bridge plate	400 mm / 800 mm (steel), 800 mm (Alu)
Maximum loading-space width	1,990 mm
Maximum loading-space height	1,798 mm

TECHNICAL DATA

Type	MBB V 4000 S
Lifting capacity	4,000 kg
Lifting gear hydraulics	2 lifting cylinders / 2 tilting cylinders / 2 bridging plate cylinders
Load centre, longitudinal	1,500 mm
Inclination angle of the platform	+10° to -10 °

Some of the tail lifts pictured feature optional equipment and do not always correspond to the standard version. Country-specific regulations must be considered for the tail lift installation. Dimensions may vary. Subject to technical changes, errors and translation mistakes.

CUSTOMER APPLICATIONS - INDIVIDUAL AND VERSATILE

350 - 4,000 KG LIFTING CAPACITY

UNIQUE SOLUTIONS FOR VARIOUS APPLICATIONS

With more than 50 years of competence and knowhow in tail lifts, PALFINGER is able to develop and produce innovative lifting solutions which perfectly match your individual requirements. Regardless of your field, the line of business you operate in or the application the tail lift has to fulfil, we have a solution for you!

SOLVING YOUR DAILY OPERATIONAL CHALLENGES

- An international operating team of engineers guarantees tailor-made products globally
- Range: From simple basic solutions up to premium lifts with high complexity
- Projects for innovations in the commercial vehicle sector
- Competent points of contact for your enquiries worldwide (extensive and trained dealer and service network)
- Diverse service offers are individually configurable

PASSENGER SYSTEMS

RELIABLE AND USER-FRIENDLY

OVER 30 YEARS EXPERTISE IN MOBILITY

PALFINGER Passenger Systems specialise in smart solutions that support people with reduced mobility. With over 30 years' expertise in designing and manufacturing lifts and ramps for passengers, wheelchairs users and scooters, we never compromise on safety and quality. Count on us to provide you with a customised solution for your mobility needs.

ENGINEERED FOR LIFETIME EXCELLENCE

- We comply with the strict Quality Management System - ISO 9001:2015 and our Suppliers also operate to QA Standards
- All of our Passenger Systems are extensively tested at the maximum load to ensure that they perform at the optimum level of safety, comfort and reliability
- Continuous developments in materials and design provide a maximum service life and an easy operation

DELIVERING IMPRESSIVE HIGHLIGHTS

- Product development in cooperation with OEMs (Original Equipment Manufacturers), body-builders and end-users
- User-centred design approach
- Lightweight materials
- Rigorous test of at least 30,000 cycles
- Stable Ride Structure
- Right fit, first time - saves precious time during installation
- Premium anti-corrosion protection

MBB MEDILIFT

- Fully automatic electric lifts
- Designed for use in low-floor buses or trams
- Lifting of wheelchair users from road level without curb
- Used in historic old towns worldwide
- Convenient and safe entry for wheelchair users
- No assistance needed by staff or other passengers

SAFETY DEVICES

- Automatic roll stop
- Sensitive edges on ramp stop / platform
- Control with diagnostic function
- MEDILIFT is integrated in safety circuit
- Compartment guard made from impact-resistant plastic
- Safety markings
- Anti-slip surface
- Outputs for acoustic and visual signals

THE COMPACT LIFT FOR LOW-FLOOR VEHICLES

COLUMN LIFT FOR TRAINS

SB 300	
Lifting height (mm)	aprox. 320
Platform width (mm)	1,200
Platform depth (mm)	870
Lifting column height (mm)	840
Entire platform length (mm)	1,200
Entire platform width (mm)	925
Lifting capacity (kg)	350
Voltage (V)	24
Current consumption (A)	30
Dead weight (kg)	200

CASSETTE LIFT FOR TRAMS

CL 300	
Lifting height (mm)	aprox. 320
Cassette width (mm)	1,385
Cassette depth (mm)	791
Cassette height (mm)	200
Entire platform length (mm)	1,200
Entire platform width (mm)	1,012
Lifting capacity (kg)	350
Voltage (V)	24
Current consumption (A)	30
Dead weight (kg)	approx. 200

COLUMN LIFT FOR BUSES

LB 300	
Lifting height (mm)	aprox. 320
Platform width (mm)	1,050
Platform depth (mm)	870
Lifting column height (mm)	840
Entire platform length (mm)	1,200
Entire platform width (mm)	925
Lifting capacity (kg)	350
Voltage (V)	24
Current consumption (A)	30
Dead weight (kg)	170

MBB MEDIRAMPE

- Fully automatic, electric or manually operated ramps
- Designed for use in low-floor buses or trams
- Convenient and safe entry for wheelchair users
- Easy, fast maintenance

SAFETY DEVICES

- Sensitive edges at the end of the platform (electrical ramp)
- Control with diagnostic function
- Integrated in safety circuit
- Safety markings
- Anti-slip surface
- Outputs for acoustic and visual signals

THE RAMP SOLUTION FOR BUSES AND TRAMS

AUTOMATIC INTEGRATED RAMP

FV / FVM	850 - 350	850-690
Cassette length (mm)	850	850
Cassette width (mm)	1,036	1,040
Cassette height (mm)	74 / 60	74
Ramp length (mm)	350	690
Ramp width (mm)	920	920
Lifting capacity (kg)	350	350
Voltage (V)	24	24
Dead weight (kg)	55	56
Extension and retraction time (sec.)	3	6

AUTOMATIC ICASSETTE RAMP

CR 1100	
Cassette length (mm)	1,480
Cassette width (mm)	1,137
Cassette height (mm)	70
Ramp length (mm)	approx. 1,100
Ramp width (mm)	920
Lifting capacity (kg)	400
Voltage (V)	24
Dead weight (kg)	approx. 65
Extension and retraction time (sec.)	8

MANUAL FOLDING RAMP

MR	950-22	950-26
Platform width (mm)	817	817
Platform length (mm)	948	948
Platform height (mm)	22	26
Lifting capacity (kg)	350	350
Voltage (V)	24	24
Dead weight (kg)	25	28

MBB TRAINLIFT

- Semi-automatic lift built into the train
- Specially developed and produced for vehicle manufacturer requirements
- Enables wheelchair users to enter and exit the vehicle safely
- Operation only by trained staff
- Lifting height up to 1,200 mm
- Retrofitting possible
- Certified acc. to TSI PRM

SAFETY DEVICES

- Automatic roll stop
- Lowering movement effected by gravity
- Protective and elegant cover (option)
- Special vandal-resistant coating on request
- Lifting / lowering only possible when swung out / locked
- Anti-slip surface
- Lift drive secured with stroke limiting valve

THE FLEXIBLE LIFTING RANGE FOR RAIL VEHICLES

SWIVELLIFT

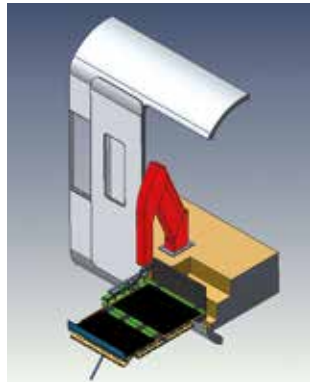
TR	
Lifting height (mm)	max. 1,000
Package height (mm)	1,060 - 1,600
Package width (mm)	approx. 1,000
Package depth (mm)	280 - 380
Platform length (mm)	1,250
Platform width (mm)	800
Lifting capacity (kg)	max. 350
Voltage (V)	24 / 36 / 110
Dead weight (kg)	180 - 295
Cycle time (sec)	approx. 120

SWIVELLIFT

TRB	
Lifting height (mm)	max.1,200
Package height (mm)	1,200 - 1,800
Package width (mm)	approx. 1,000
Package depth (mm)	300 - 400
Platform length (mm)	1,250 / 1,500
Platform width (mm)	800
Lifting capacity (kg)	300 / 350
Voltage	24 / 36 / 110
Dead weight (kg)	180 - 250
Cycle time (sec)	approx. 120

PILLAR LIFT

TRV	
Lifting height (mm)	max. 1,200
Package height (mm)	approx. 1,500
Package width (mm)	approx. 1,000
Package depth (mm)	approx. 290
Platform length (mm)	1,250
Platform width (mm)	800
Lifting capacity (kg)	300 / 350
Voltage	24 / 36 / 110
Dead weight (kg)	approx. 180
Cycle time (sec)	approx. 120



ELECTRICAL DATA – STANDARD TAILLIFTS

TYPE	12 V battery capacity	24 V battery capacity	Recommended output of three-phase alternator	Output of power pack	Operating pressure (max.)
	Ah	Ah	watts	watts	bar
C 500 VAN	95*	95*	630	1,200	200
C 750 L	95*	95*	630	1,200	200
C 750 S	95*	95*	630	1,200	200
C 1000 E	143	105	630	2,000	
C 1000 L	143	105	630	1,500 - 2,500	200
C 1000 S	143	105	730	1,500 - 2,500	200
C 1500 L	180	143	730	1,500 - 2,500	200
C 1500 S	180	180	1,000	1,500 - 2,500	200
C 1500 / 2000 SK	180	180	1,000	1,500 - 2,500	200
C 1500 SZ / 2000 LZ	180	180	1,000	1,500 - 2,500	200
C 2000 L	180	180	1,000	1,500 - 2,500	200
C 2000 S	180	180	1,000	1,500 - 2,500	200
C 2500 L	180	180	1,000	1,500 - 2,500	210
C 2500 S	180	180	1,000	1,500 - 2,500	210
C 2500 SK	180	180	1,000	1,500 - 2,500	210
C 2500 SZ	180	180	1,000	1,500 - 2,500	210
C 3000 S	180	180	1,000	2,500 - 3,000	210

* An additional battery is recommended.
Subject to technical changes. Amounts may vary.

ELECTRICAL DATA – FOLDABLE TAILLIFTS

TYPE	12 V battery capacity	24 V battery capacity	Recommended output of three-phase alternator	Output of power pack	Operating pressure (max.)
	Ah	Ah	watts	watts	bar
F 1000 SH / SX 1500 LH / LX	143	105	630	1,500 - 2,200	200
F 1500 L	143	105	730	1,500 - 2,200	200

Subject to technical changes. Amounts may vary. Different configurations may cause deviations in weight

ELECTRICAL DATA – RETRACTABLE TAIL LIFTS

TYPE	12 V battery capacity	24 V battery capacity	Recommended output of three-phase alternator	Output of power pack	Operating pressure (max.)
	Ah	Ah	watts	watts	bar
R 750 SM / 1000 LM	143	105	630	1,500 - 2,200	200
R 1000 S	143	105	630	1,500 - 2,200	200
R 1500 L	143	105	730	1,500 - 2,200	200
R 1500 S	180	180	1,000	1,500 - 2,200	200
R 1500 S TRAILER / 2000 L TRAILER	180	180	1,000	1,500 - 2,200	200
R 1500 S TRUCK / 2000 L TRUCK	180	180	1,000	1,500 - 2,200	200
R 1500 SH / R 2000 LH	180	180	1,000	1,500 - 2,200	200
R 1500 SK / 2000 LK	180	180	1,000	1,500 - 2,200	200
R 1500 SM / 2000 LM	180	180	1,000	1,500 - 2,200	200
R 2000 L	180	180	1,000	1,500 - 2,200	200
R 2000 S	180	180	1,000	1,500 - 2,200	200
R 2500 L	180	180	1,000	1,500 - 2,200	200
R 2500 S	180	180	1,000	1,500 - 2,200	200

Subject to technical changes. Amounts may vary. Different configurations may cause deviations in weight.

OVERVIEW OF WEIGHTS – STANDARD TAIL LIFTS

PLATFORM TYPE: ALUMINIUM	C 500 VAN	C 750 L	C 750 S	C 1000 E	C 1000 L	C 1000 S	C 1500 L	C 1500 S	C 1500 / 2000 SK	C 1500 SZ / 2000 LZ	C 2000 L	C 2000 S	C 2500 L	C 2500 S	C 2500 SK	C 2500 SZ	C 3000 S
Width in mm	1,400	2,100	2,100	2,500	2,400	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Heights in mm																	
1,200																	
1,450		199	*210														
1,550																	
1,600	151	206	*216		282	376	390										
1,700		210	*223		289	384	398										
1,800					295	390	405	517									
1,850				485	300					547	517	547	547				
1,950										556	526	556	556				
2,050						401	415	535		565	535	565	565	690	710		720
2,100								539	703	569	539	569	569				
2,200								548	714	578	548	578	578		757		
2,300									725								
2,400									736					772		802	
2,450																	802
2,650																	

* 14 kg additional weight with three-piece underride guard

OVERVIEW OF WEIGHTS – STANDARD TAIL LIFTS

PLATFORM TYPE: STEEL	C 1000 L	C 1000 S	C 1500 L	C 1500 S	C 1500 / 2000 SK	C 1500 SZ / 2000 LZ	C 2000 L	C 2000 S	C 2500 L	C 2500 S	C 2500 SK	C 3000 S
Width in mm	2,400	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Heights in mm												
1,209												
1,509	357	478	510									
1,809	402	538	570									
2,009				685	811	735	685	735	735	880	880	
2,109				735	861	785	735	785	785			
2,409										941	941	980

All weights in kg. Different configurations and equipment of the products may cause deviations in weight.
Subject to technical changes. Amounts may vary.

OVERVIEW OF WEIGHTS – FOLDABLE TAIL LIFTS

PLATFORM TYPE: ALUMINIUM/ALUMINIUM	F 1000 L	F 1000 SH / SX	F 1500 LH / LX	F 1500 L
Width in mm	2,030	2,300	2,300	2,000
Heights in mm				
1,210	299			305
1,605		478	478	

All weights in kg. Different configurations and equipment of the products may cause deviations in weight.
Subject to technical changes. Amounts may vary.

OVERVIEW OF WEIGHTS – RETRACTABLE TAIL LIFTS

PLATFORM TYPE: ALUMINIUM/ALUMINIUM	R 750 SM	R 1000 LM	R1000S	R 1500 L	R 1500 S	R 2000 L	R 2000 S	R 2500 L	R 2500 S	R 1500 / 2000 Truck	R 1500 / 2000 SK / LK	R 1500 SM	R 2000 LM	R 1500 / 2000 SH / LH
Width in mm	20,000	2,000	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,300
Heights in mm														
1,180	305	326												
1,505														
1,605														
1,700												640	640	
1,805			598	598	665	665	665	678	778	615	710	650	650	775

PLATFORM TYPE: STEEL/ ALUMINIUM	R 1000 S	R 1500 L	R 1500 S	R 2000 L	R 2000 S	R 2500 L	R 2500 S	R 1500 / 2000 Trailer	R 1500 / 2000 Truck	R 1500 / 2000 SK / LK
Width in mm	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Heights in mm										
1,600										795
1,700										
1,800	688	688	770	770	770	770	860	648	648	
2,000										

All weights in kg. Different configurations and equipment of the products may cause deviations in weight.
Subject to technical changes. Amounts may vary.

Dimensions may vary. Subject to technical changes, errors and translation mistakes.

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