



DHOLLANDIA



POCKET GUIDE PRODUCT RANGE 2015



DHOLLANDIA

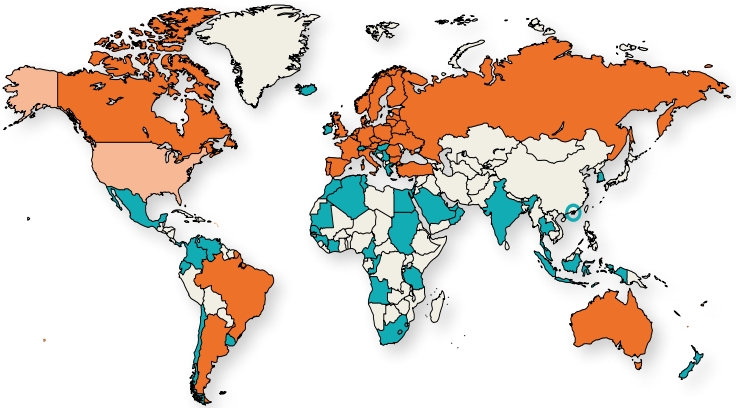
**POCKET GUIDE
PRODUCT RANGE 2015**



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DHOLLANDIA facts & figures

- Founded in 1968, more than 45 years of experience in the tail lift business
- Europe's N° 1 manufacturer of tail lifts, with production in excess of 35,000 units per year and more than 550,000 units sold since 1968
- Unparalleled product range with lift capacities ranging from 150 to 16,000 kg, all developed via internal growth
- Production sites in 5 countries
- Extensive vertical integration and technological leadership: more than 90% of mechanical, hydraulic and electrical parts used are manufactured in-house
- Professional network of DHOLLANDIA Area Sales & Service Centres (Europe) and independent distributors (outside Europe) in 6 continents and more than 60 countries worldwide



 DHOLLANDIA Group  Independent distributor



See www.dhollandia.com for our worldwide network.



6 good reasons to buy DHOLLANDIA



1- Safe & reliable



- No electronic components, exceptionally reliable
- Adapted to the intensive use and heavy duty work
- Strong & robust 4-cylinder tail lifts (*)
- Electrical safety valves mounted to all cylinders (*)
- Manual emergency back-up operation on all electro valves
- Level ride plus automatic tilt at ground level on most commercial lift models (*)



2- Flexible & client-oriented

- Small enough to care, big enough to cope
- Wide range of standard products ranging from 150 to 16,000 kg
- Extensive vertical integration and technological leadership: more than 90% of all mechanical, hydraulic and electrical parts used are manufactured in-house
- Therefore perfectly geared up to develop and manufacture tailor-made lifts and creative client-oriented solutions



3- Superior finish

- Low maintenance bearings and grease nipples in all critical articulation points
- Piston rods in hard-chromed stainless steel for all cylinders exposed to adverse weather conditions
- Best possible protection against corrosion: **HOT-DIP ZINC PLATED finish** or **Protection PLUS finish** on the majority of lifts





4- Economic & budget friendly

- Optimum price-quality ratio
- Lifts designed to allow easy maintenance
- Attractive spare parts prices and low maintenance costs
- Longer life-time and durability



5- Strong environmental focus



- Use of Best Available Techniques in surface treatment and waste water treatment
- Use of rain water for industrial purposes
- Application of wind and solar energy to power manufacturing processes
- Maximum elimination of lost packaging material
- ISO 14001 certified



6- The safe and clever buy

- Modern lift range offering many safety features and functional options
- Professional service network in more than 60 countries across the world
- More than 550.000 units sold are the proof of customer satisfaction and loyalty
- Preferred choice of many transport companies, fleet-owners, rental companies and truck body manufacturers

(*) Generic characteristics for most types of commercial lifts

Best possible protection for your investment

DHOLLANDIA uses 2 premium surface treatment finishes for steel components, raising the quality and corrosion protection of the finished product to the absolute top in the tail lift industry.

Most popular commercial lifts are supplied in **HOT-DIP ZINC PLATED finish**, the less common lifts in **Protection PLUS finish**.



DHOLLANDIA's **Protection PLUS** paint finish combines innovative technologies to raise the quality and corrosion protection of its tail lifts to the highest level.

Protection PLUS incorporates 4 important steps:

1. Shot blasting of the steel substrate
2. 3-cation zinc phosphate
3. KTL cathodic dip epoxy coating (KTL = Katodische Tauch-Lackierung)
4. Polyester powder top coat

E-coat (KTL)



Polyester powder coat



HOT-DIP ZINC PLATING is based on the metallurgic bond between the steel parts and zinc, melted at 460 °C. The zinc-iron alloys formed in this way, offer a number of clear advantages:

**HOT-DIP
ZINC PLATED**

- ▶ **Best possible protection against corrosion**
- ▶ Improved metallurgic characteristics
- ▶ Better protection against shocks and wear
- ▶ Protects the outside **and inside** of steel structures (unlike e-coat or conventional paint systems, whose effect is limited to the painted outside surfaces)

Hot zinc melted at 460 °C



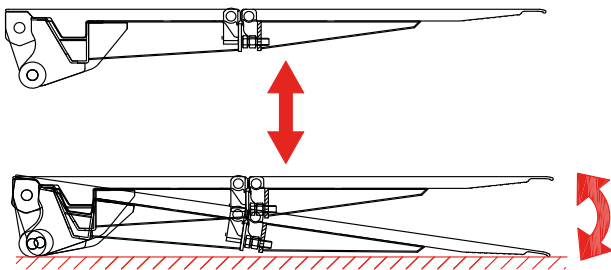
Green technology: life cycle assessments have proven that zinc-plating is the most environmentally friendly method of anti-corrosion protection.

Different types of RIDE

The **RIDE** of a lift describes the movement that its platform goes through when lowering from the vehicle floor to the ground; or vice versa when lifting from the ground to the vehicle floor.

DHOLLANDIA mainly uses 3 types of rides.

1 Wedge or conical platform Level ride + automatic tilt at ground level



When lowering, the platform remains level from the vehicle floor down until the platform rollers touch the ground. Next, the platform tilts down to an inclined position that allows loading and unloading.

When lifting off the ground, the platform first tilts up from its inclined position on the ground to the horizontal level, then continues a level ride to the vehicle floor.

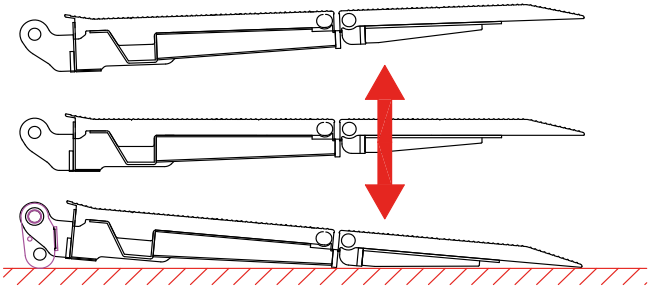
Recommended for:

- ▶ higher capacity applications, heavier loads
- ▶ applications where easy on- and off-loading of pallets with pallet jacks is required
- ▶ applications where adjustable platform orientation is required (tilt cylinders)

Used on:

DH-L and DH-S lifts, most DH-R lifts

② Half-dip ride



When lowering, the platform progressively tilts down from a level position at the vehicle floor to an inclined position at the ground. (And vice versa when lifting).

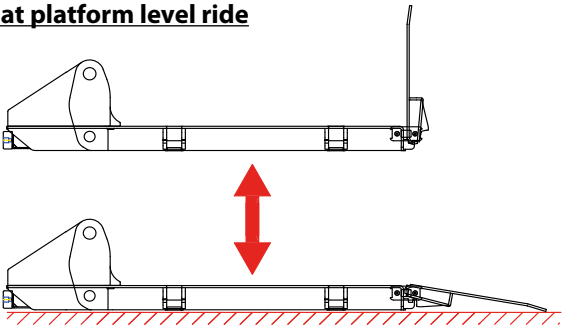
Recommended for:

- ▶ applications where the load is stable on the platform: parcels, tyres, boxes, white & brown goods, drums, etc...
- ▶ Low-budget, low-maintenance environment

Used on:

DH-RP lifts

③ Flat platform level ride



The platform remains level during the full lifting / lowering cycles. The rear end of the platform can be a fixed leading edge, or hinged ramps which adjust more easily to uneven surfaces.

Recommended for:

applications where the load is unstable on the platform: roll-cages, tall and top-heavy objects

Used on:

DH-LK and DH-SK lifts, most column lifts, most passenger lifts

Control units for all applications...



DHOLLANDIA offers a wide variety of different control units to suit particular lift models, special applications and the client's individual requirements. Instructions for mounting and risk analysis are available in the mounting instructions.

Most popular auxiliary controls



OAE001



OAE005



OAE011



OAE015



OAE060



E0452 / E0453

Most commonly used exterior control boxes

(conform with CE safety regulations, all exterior control boxes sold in Europe have mandatory 2-hand control)



OAE030.BT

Exterior control box with joy-stick, safety switch and main battery isolator switch



OAE031.Z (OAE035.Z)

3+1 button (or 4+1 button) control unit, integrated in the body panel, or mounted under the vehicle body, without isolator switch



OAE039.BP

Exterior control unit incorporated in the cover of the pump unit, with joy-stick, safety switch and main battery isolator switch



OAE041.BP

Arctic exterior control box with IP67 rated push buttons, safety switch and main battery isolator switch



OAE043.BT

Slim-line arctic exterior control box with IP67 rated toggle switches and main battery isolator switch



... and an endless list of options to choose from



DHOLLANDIA offers an almost endless list of electrical, hydraulic and mechanical options to fine-tune the lift to the client's individual requirements.

The most popular options involve:

- ▶ Control & ergonomics: various main and auxiliary controls
- ▶ Visibility: flashing platform lights & flags
- ▶ Load handling: roll-stops for pallets and roll cages
- ▶ Stability: hydraulic and mechanical stabilising legs
- ▶ Access: side loading ramps
- ▶ Operator safety: safety rails and fall protection, anti-slip platform surface finish & coatings
- ▶ Installation: quick-fit mounting solutions, plug & play connections
- ▶ Independence: battery & charging systems
- ▶ Finish: HOT-DIP ZINC PLATING, Protection Plus or individualised RAL colour schemes

Professional service network

Original spare parts



DHOLLANDIA spare parts =
100% original
100% reliable
100% compatible

DHOLLANDIA lifts are being distributed in more than 60 countries worldwide, through a dedicated and professional network of DHOLLANDIA Area Sales & Service Centres and official independent distributors.

Each of these country distributors holds substantial stock of lifts and original spare parts and can support clients with:

- ▶ commercial and technical advice
- ▶ maintenance, repair and road-side assistance
- ▶ fitting and fitting assistance
- ▶ training on any of the subjects above and operator training

Reading help

Lift capacity

Hydraulic tail lifts are not designed to LIFT / LOWER weights corresponding to their nominal capacity over the full surface of the platform. The nominal capacity is valid at a certain distance or centre of gravity, measured behind the rear of the vehicle body. Behind that centre, which is marked on the platform, the maximum safe working load of any brand of tail lifts diminishes according to specific load diagrams supplied with the lift.

Since lifts are being sold in many capacities and with various centres of gravity, it may seem a difficult task to make an objective comparison. Therefore, the concept load moment combines the nominal lift capacity with the applicable centre of gravity. It allows us to compare the total performance of the machine and to get some appreciation of its ability to endure heavy duty conditions over a longer time period.

Load moment = lift capacity x centre of gravity

Example: 2 lifts with identical capacity but different centre of gravity:

Type DH-LM.20 :

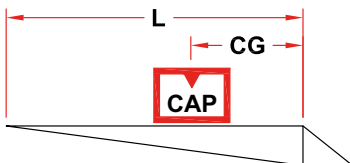
CAP	CG	LM
1500 kg	750 mm	11.25 kNm
2000 kg	750 mm	15 kNm

Type DH-LM.30 :

CAP	CG	LM
1500 kg	1000 mm	15 kNm
2000 kg	1000 mm	20 kNm
2500 kg	1000 mm	25 kNm
3000 kg	1000 mm	30 kNm



$$2000 \text{ kg} \times 750 \text{ mm}$$
$$20 \text{ kN} \times 0.75\text{m} = 15 \text{ kNm}$$



$$\text{LM} = \text{CAP} \times \text{CG}$$

CAP = nominal lift capacity
CG = centre of gravity
LM = load moment = CAP x CG

Units of measurement

Unless stated otherwise within the text, all weights are expressed in kg and all dimensions in mm.

Weight indications of the lifts

Weights:

STEEL platform	
1750 mm	? kg
2000 mm	? kg

ALU platform	
1800 mm	? kg
2000 mm	? kg

DHOLLANDIA lifts are available with a wide choice of different lift arms, lift frames and mounting plates, to allow integration to a wide variety of vehicles in optimum circumstances. Furthermore, most lifts are available with different platform designs and a long list of options to adapt the lift to the client's individual needs.

As a consequence, the weights mentioned in our sales literature are indicative and must be read : "from ... kg onwards". The real weights might vary according to the type of vehicle and the execution of the lift. Ask your national DHOLLANDIA distributor for further detail.

Voltage

Unless stated otherwise within the text, all systems mentioned are designed for 12V - 24V commercial vehicles. Other voltage systems are available on request.

Half width platforms, foldable platforms

All types of cantilever lifts (see chapter 3) are available with the standard platform, covering the full width of the vehicle body. But certain types are also available with half width or partial width platforms and vertically foldable platforms.

This possibility is indicated as follows:



Full width platform available



Half / partial width platform available



Half width frame + foldable platform available



Half / partial width platform not available



Half width frame + foldable platform not available

Introduction

- Today's column lift range is the result of decades of experience gathered by **DHOLLANDIA**, **SOLID LIFT** and **CARCO** and today brought to the market via one single sales channel.
- It comprises of a wide variety of constructions with vastly different lift mechanisms and for a broad array of applications.
- The classifications in the next pages help to make a distinction between the major product groups. The illustrations in the pages after that aim to give a broad understanding of the possibilities of our range. For the fine adjustment of any of these lifts to your particular requirements, it is recommended to use the assistance of our technical-commercial staff. Please contact your national **DHOLLANDIA** distributor for further details and drawings.



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Column lifts

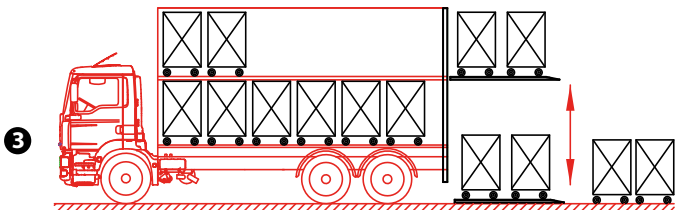
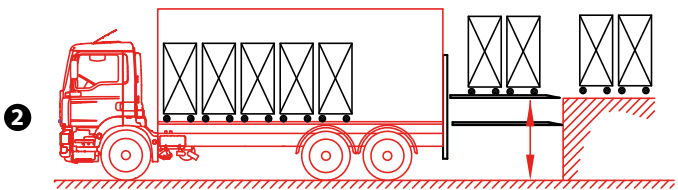
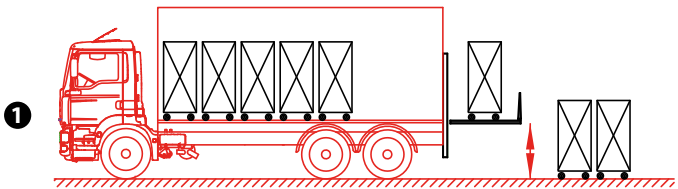


Classifications

1- Lifting height

When taking the maximum lifting height as discerning factor, one can distinguish between:

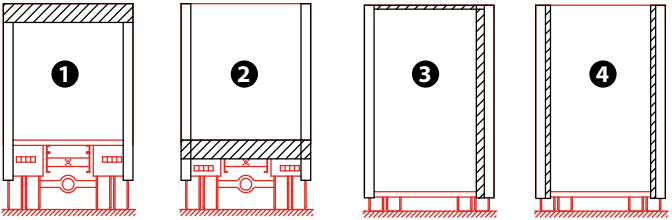
1	Single deck lifts: platform travels between the ground and the (lower) loading floor of the vehicle.
2	Intermediate lifts: platform travels between the ground and an intermediate height above the loading floor, e.g. to access a loading dock.
3	Multi deck lifts: platform travels between the ground and the 2nd, 3rd, 4th... loading floor of the vehicle. The highest achievable level is 6m above the ground.



2- Lifting technology

When considering how the platform is moved up & down, one can distinguish between:

1	DH-VB...	Operated by a single lift cylinder and a set of steel cables and pulleys. The cylinder beam is mounted horizontally at roof level.
2	DH-VO...	Operated by a single lift cylinder and a set of steel cables or chains and pulleys. The cylinder beam is mounted horizontally at or below the vehicle floor level.
3	DH-VX...	Operated by a single lift cylinder and a set of steel cables and pulleys. The cylinder beam is mounted vertically in the right side column.
4	DH-VH...	Operated by 2 hydraulic lift cylinders mounted in the left and right side columns. No cables or chains involved.



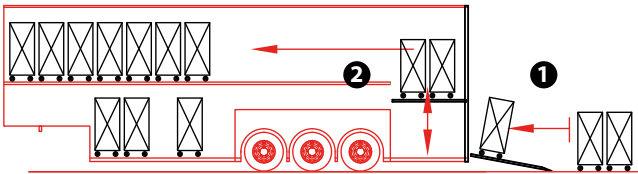
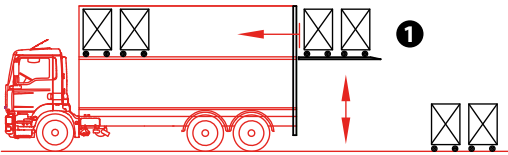
Remark 1: for lifts with horizontal lifting systems (1 & 2), the achievable lifting height depends on the width of the lift or vehicle. For lifts with vertical lifting systems (3 & 4), the achievable lifting height depends on the height of the lift or vehicle. Consult our technical drawings for detailed information.

Remark 2: by adding specific options, these multi-functional lifts can be adapted to suit specific applications, such as the intensive distribution transport, the transport of (race) cars, the collection of waste containers, the transport of live stock, etc...

3- Mounting position of the lift

When observing where the lift is mounted on the vehicle, distinction can be made between following types:

1	External lift	Is mounted at the rear or at the side of the vehicle body and is stowed vertically behind the vehicle body in its travel position. This lift has all functions LIFT / LOWER and CLOSE / OPEN.
2	Internal lift	Is mounted inside the vehicle body. When it is stowed in its travel position, it forms an integral part of one of the vehicle floors. When used, it works as a moving deck. This lift only has the functions LIFT / LOWER, no tilt.

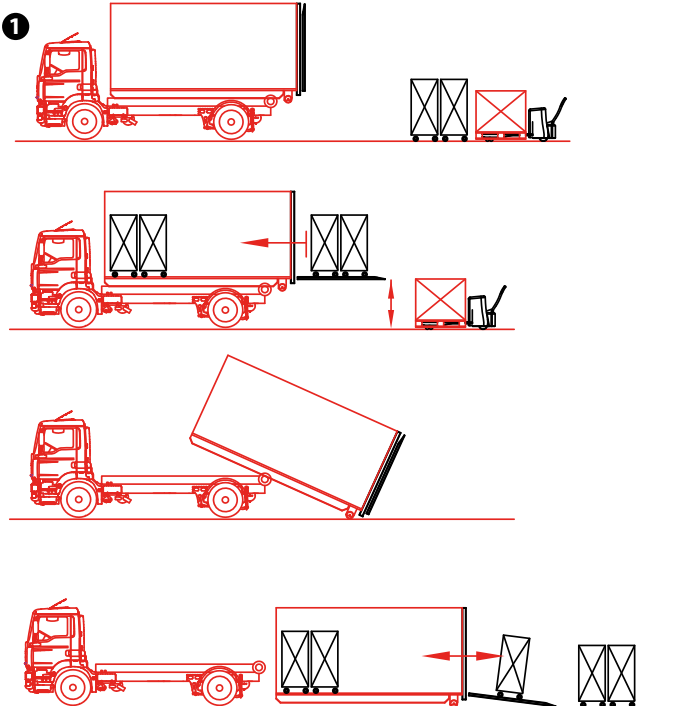


4- Specials and option packages

For specific industries or applications, the technical requirements are to a large extent standard through the entire industry and are joined by option packages.

For example, option packages are offered for GAS BOTTLE lifts (robust heavy duty platforms with special safety rails to secure the gas bottles on the platform against falling); for RACE CAR lifts (long, extended and reinforced platforms with a foldable or retractable ramp); and for CONTAINER lifts (very short lift columns + long lift runners) [see 1 below].

Of course, a long option list enables **DHOLLANDIA** to adjust every column lift to the particular requirements of each customer.





→ Column lift for light-duty commercial vehicles

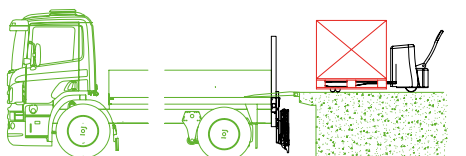
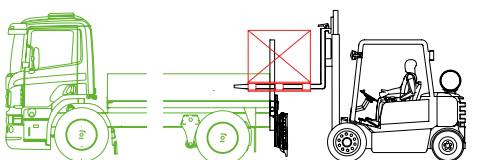
DH-VO.07.K1 • 500 - 750 kg



Light-weight column lift with manual closure

The single-deck lift DH-VO.07.K1 is designed for commercial vehicles up to 7,5T GVW. It offers **maximum all-round efficiency**. In standard execution, the lift is equipped with a single-piece aluminium platform. A wide choice of options is available to adapt the lift to meet specific applications and requirements, such as:

- Hinged ramps, roll-stops, and safety rail options
- Dump-over and Dump-through lifts for **tipper vehicles**
- Fuel saving lifts offering reduced wind resistance for drop-side vehicles, flat-bed vehicles and pick-up trucks: **meshed platforms and foldable platforms**



Lift capacity

DH-VO.07.K1

500 kg

750 kg

Technical specifications (old name = DH-VOC)

Lift system	Lower beam: operated by a single lift cylinder mounted in a beam at the vehicle floor level and a set of chains & pulleys
Open / Close	Manual closure supported by torsion bars
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform	<ul style="list-style-type: none"> • Flat platform with fixed leading edge • Roll-stops & hinged ramps available as an option
Platform material	<ul style="list-style-type: none"> • Light-weight aluminium platform; or • Meshed steel platform, for improved fuel efficiency (OVP509)
Standard platform depths	<ul style="list-style-type: none"> • 900 - 1100 - 1300 mm • Other platform sizes on request
Standard control unit [see pg. 11]	OAE030.BT
Standard finish of the lift frame	Galvanised steel columns (alu columns as option)



→ Column lift for trucks, trailers & semi-trailers

DH-VO.15.K1 • 750 - 1500 kg



Best seller in the column lift range, manual or hydraulic closure



The single-deck lifts DH-VO.10.K1 and DH-VO.15.K1 offer **maximum all-round efficiency**. In standard execution, the lift is equipped with a single-piece aluminium platform. A wide choice of options is available to adapt the lift to meet specific applications and requirements, such as:

- Hinged ramps at the side & rear edges of the platform
- Manual or hydraulic closure
- Various types of safety rails
- Gas bottle lifts
- Dump-over and Dump-through lifts for **tipper vehicles**
- K9 execution with **lifting height above vehicle floor level**

Lift capacity

DH-VO.10.K1	DH-VO.15.K1
750 kg	1000 kg
1000 kg	1500 kg

Technical specifications (old name = DH-VOC)

Lift system	Lower beam: operated by a single lift cylinder mounted in a beam at the vehicle floor level and a set of chains & pulleys
Open / Close	<ul style="list-style-type: none"> • Manual closure supported by torsion bars • Hydraulic closure as an option (OVH004)
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform	<ul style="list-style-type: none"> • Flat platform with fixed leading edge • Roll-stops & hinged ramps available as an option
Platform material	<ul style="list-style-type: none"> • Reinforced steel platform, or • Light-weight aluminium platform; or • Meshed steel platform, for improved fuel efficiency (OVP 509)
Standard platform depths	<ul style="list-style-type: none"> • 1000 - 1250 - 1500 mm • Other platform sizes on request
Standard control unit [see pg. 11]	OAE030.BT
Standard finish of the lift frame	Galvanised steel columns (alu columns as option)



→ Column lift for light-duty commercial vehicles

DH-VOCS...K1 • 500 - 1000 kg



500-750 kg



1000 kg



Integrated rear frame lift offering maximum pay-load

The DH-VOCS integrates a lift and the rear frame of the vehicle body into one single structure, and **saves up to 100 kg pay-load on light-duty commercial vehicles!** It is the **lightest tail lift in the 3.5 - 7.5T GVW truck range.**

The product consists of:

- a light weight full aluminium column lift
- an aluminium platform of 1200-1600 mm deep
- a top-hatch operated by gas cylinders
- all these incorporated in an aluminium rear frame that replaces the original rear frame of the vehicle body.

This solution is independent of any chassis constraints (overhang, spring hangar,...). The DH-VOCS is extremely reliable and easy to use without specialised driver training. There is also a **K9 execution** available, with **lifting height above the vehicle floor.**



**Golden Innovation Award
Solutrans 2013 (FR)**

Lift capacity

DH-VOCS.07.K1	DH-VOCS.10.K1
500 kg	1000 kg
750 kg	

Weights [see pg. 15]

DH-VOCS.07.K1	from 185 kg onwards
DH-VOCS.10.K1	from 275 kg onwards

Technical specifications (old name = DH-VOC)

Lift system	DH-VO.07.K1 technology (see pg 168-169)
Open / Close	Manual closure supported by torsion bars
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform	<ul style="list-style-type: none"> • Flat platform with fixed leading edge • Floating point available as an option • Roll-stops available as an option
Platform material	Light-weight aluminium platform; anodised finish
Standard platform depths	1100 - 1300 - 1450 - 1600 mm (max.)
Lift dimensions	<ul style="list-style-type: none"> • Height & width of rear frame is adapted to vehicle body • Height of top hatch is adapted to platform height
Standard control unit [see pg. 11]	OAE030.BT
Standard finish of the lift frame	Anodised aluminium profiles



→ Column lift for trucks, trailers & semi-trailers

DH-VB.15.E1 • 1000 - 1500 kg



Single deck column lift with upper beam

The single-deck lift DH-VB.15.E1 is a robust lift designed to work in “**hostile environment**” conditions (e.g. with regular dock loading), and to suit the most demanding applications in the transport business, such as **supermarket & food distribution**.

Many options are available to adapt the lift to meet specific customer requirements and applications, for instance:

- Hinged ramps at the side & rear edges of the platform
- Manual or hydraulic closure
- Various types of safety rails
- Special adaptations for the locking gear of barn doors
- Shunt stops to vertically descend the platform in a suitable position, that allows to reverse the vehicle into the loading dock without damaging the lift columns and platform.

Technical specifications (old name = DH-VB4)

Lift system	<ul style="list-style-type: none">• Overhead beam: operated by a single lift cylinder mounted in a beam at the vehicle roof level and a set of steel ropes & pulleys• Reinforced lift columns 100x100 mm
Open / Close	<ul style="list-style-type: none">• Manual closure supported by torsion bars• Hydraulic closure as an option (OVH004)
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform	<ul style="list-style-type: none">• Flat platform with fixed leading edge• Roll-stops & hinged ramps available as an option
Platform material	<ul style="list-style-type: none">• Reinforced steel platform, or• Light-weight aluminium platform
Standard platform depths	1200 mm Other platform sizes on request
Standard control unit [see pg. 11]	OAE030.BT
Standard finish of the lift frame	2K zinc primer + polyester powder coat



→ Column lift for trucks, trailers & semi-trailers

DH-VH... • 750 - 3000 kg



Fully hydraulic single-deck lift

The DH-VH... form a diverse group of single-deck columns, all **fully hydraulically operated** by 2 lift cylinders mounted in vertical position in the side columns of the lift frame. The DH-VH... benefit from **reduced maintenance costs**, as many of the traditional components susceptible to wear (steel ropes and pulleys, chains and sprockets) are eliminated from the design.

Most DH-VH... use a mechanical torsion tube link between the 2 lift runners to realise synchronisation between the 2 lift cylinders and obtain a steady, level platform movement from the vehicle floor to the ground (and vice versa).

Fully hydraulic lifts (also called "direct lifts") are available in various models, and for different lift capacities. The most popular models are:

DH-VH.10.H1 • 750 - 1000 kg

- Compact lift frame with minimal depth in or behind the vehicle body
- Therefore often mounted laterally, e.g. as wheelchair or stretcher lift on medical vehicles
- Full aluminium platform
- Hydraulic closure with 2 tilt cylinders, the platform angle is fully adjustable

DH-VH.30.H1 • 1000 - 3000 kg

- Heavy duty direct lift for a wide array of applications
- Suitable for higher capacities, with longer platforms
- Hydraulic closure with 2 tilt cylinders, the platform angle is fully adjustable
- Available with external shrouds and internal sealing kit

DH-VH.30.E1 • 1000 - 3000 kg

- Heavy duty lift, suitable for higher capacities and use in "hostile environment" conditions
- Automatically folding steel / aluminium platform
- Enables the vehicle to reverse into the loading docks with the folded platform evacuated below the floor level
- Hydraulic closure with 1 tilt cylinder, no intermediate tilt adjustment possible



→ Column lift for trucks, trailers & semi-trailers

DH-VXA.10.E9 • 750 - 1000 kg



Loading dock heights up to 1.9 m

The DH-VXA.10.E9 is a **full-aluminium** column lift (aluminium platform; alu columns and lift runners).

The construction with **2 tilt-cylinders** is designed to operate longer platforms and allows to tilt the platform to different angles other than the 90° horizontal or open position.

The lift system incorporates the facility to **elevate the platform above the loading floor** of the vehicle, so that it becomes possible for lower vehicles to get quick and direct access to higher loading docks and thus speed up loading / unloading.

Technical specifications (old name = DH-VXA)

Lift system	1 lift cylinder mounted vertically in the right side column, plus a steel cable crossing at roof level for the actuation of the left lift runner
Open / Close	<ul style="list-style-type: none">• 2 tilt cylinders, vertically mounted• The platform orientation is adjustable at any position from the exterior controls
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform	<ul style="list-style-type: none">• Flat platform with fixed leading edge• Roll-stops & hinged ramps available as an option
Platform material	Light-weight aluminium platform
Standard platform depths	1800 - 2000 mm Other platform sizes on request
Standard control unit [see pg. 11]	OAE030.BT
Standard finish of the lift frame	Aluminium lifting mechanism



→ Column lift for containers & demountable bodies

Container lifts



For containers & trucks with draw bar couplings

Container lifts are equipped **with short columns and extended lift runners**, so that no part of the mechanism protrudes below the underside of the vehicle body, when the platform is stored in its travel position. The main benefits of this configuration are:

- The containers or demountable bodies can be **deposited on the ground**, without any obstruction from or damage to the lift. In most cases, the platform can be opened, and the container accessed while it is standing on the ground.
- On **trucks with a draw-bar trailer**, it provides sufficient clearance between the columns and the draw bar.

Most types of container lifts suit single-deck operations, but multi-deck lifts are also available. The most common lifts are:

DH-VMC3.10.X1 • 750 - 1000 kg [single deck]

- Telescopic lift runners for increased reach
- Aluminium platform 1600 - 1800 mm long

DH-VBC.25.D1 • 1000 - 2500 kg [single deck]

- Short columns and long lift runners
- Steel / Alu platform depth 2000 - 2700 mm

DH-VHC.30.D1 • 1000 - 3000 kg [single deck]

- Fully hydraulic lift, operated by 2 vertical lift cylinders incorporated in the lift columns
- Steel / Alu platform depth 2000 - 2700 mm

DH-VB.20.D3.G08 • 1000 - 2000 kg [double deck]

- Upper beam lift with short columns and long lift runners
- Steel / Alu platform depth 2000 - 4500 mm



→ Column lift for trucks, trailers & semi-trailers

DH-VB... • 750 - 2500 kg



Multi-deck column lift with upper beam

The DH-VB... are specially designed to load and unload vehicles with multiple or moving loading floors. All DH-VB... are equipped with a flat platform, offering a smooth and level ride from the various loading floors to the ground (and vice versa).

The DH-VB... have a cylinder beam at vehicle roof level. These **heavy duty lifts** are suitable for vehicles with **insufficient ground clearance to mount a DH-VO lower beam lift** (too low vehicle floor level); and for applications with a considerable **risk that harmful products could penetrate in the cylinder beam** (e.g. animal transport).

Upper beam lifts are available in various models, and for different capacity classes. All exterior lifts are equipped with 2 tilt cylinders, hence the platform orientation is adjustable from the exterior controls. The most common lift models are:

DH-VB25.D2 • 1000 - 2500 kg (old name = DH-VB3)

- Basic model, robust & heavy duty, multi-functional
- Height of cylinder beam = 230 mm
- Platform = steel frame + aluminium infill profiles
- Lifting height to approx. 1380 mm under the roof level (*)

DH-VBV.25.D2 • 1000 - 2500 kg (old name = DH-VBV)

- Special adaptation for the transport live animals
- Height of the cylinder beam = 150 mm
- Platform = full aluminium platform
- Lifting height to approx. 1205 mm under the roof level (930 mm with option OVF001) (*)

DH-VB10.D3 • 750 - 1000 kg (old name = DH-VB5A)

- Light weight execution
- Height of the cylinder beam = 180 mm
- Platform = steel frame + aluminium infill profiles
- Full aluminium platform as option (OVP004)
- Lifting height to approx. 540 mm under the roof level (290 mm with option OVF001) (*)

(*) See remark 1 on pg. 165 reg. the achievable lifting height

Options: all DH-VB... offer a wide choice of options to adapt the lift to the specific requirement of each and every customer: safety rails on 2, 3 or 4 sides; roll-stops or hinged ramps; side loading ramps; foldable or slide-out ramps at the rear edge of the platform, etc...



→ Column lift for trucks, trailers & semi-trailers

DH-VO... • 1000 - 4000 kg



Multi-deck column lift with lower beam

The DH-VO... are specially designed to load and unload vehicles with multiple or moving loading floors. All DH-VO... are equipped with a flat platform, offering a smooth and level ride from the various loading floors to the ground (and vice versa).

The DH-VO... have a **cylinder beam at or below the vehicle floor level**, so that the **passage height through the aperture of the vehicle body remains intact**. It is however not suitable for vehicles with a very low floor level.

Lower beam lifts are available in various models, and for different capacity classes. All exterior lifts are equipped with 2 tilt cylinders, hence the platform orientation is adjustable from the exterior controls. The most common lift models are:

DH-VO25.D2.A10 • 1000 - 2500 kg (old name = DH-VO4)

- Basic model, robust & heavy duty, multi-functional
- Compact cylinder beam = 360x237 mm (LxH)
- Platform = steel frame + aluminium infill profiles
- Lifting height to max. 2970 mm above the ground or 1150 mm under the roof level (1)
- Shrouds and platform seals on the outside (2)

DH-VO25.D2.B10 • 1000 - 2500 kg (old name = DH-VO3)

- Advanced model, allowing additional options (such as OVP404 = double manual toe-guards on the platform and the cylinder beam without electrical detection) and offering extra lifting height
- Larger cylinder beam = 480x237 mm (LxH)
- Platform = steel frame + aluminium infill profiles
- Lifting height to max. 3130 mm above the ground or 1150 mm under the roof level (1)
- Shrouds and platform seals on the outside of the columns (2)

Options: all DH-VO... offer a wide choice of options to adapt the lift to the specific requirement of each and every customer: safety rails on 2, 3 or 4 sides; roll-stops or hinged ramps; side loading ramps; foldable or slide-out ramps at the rear edge of the platform, etc...

(1) See remark 1 on pg. 165 reg. the achievable lifting height. If the platform lifts higher than 1150 mm under the roof, the roof needs to accommodate that the lift runners pass beyond the roof.

(2) Internal shrouds and seals possible with models ...C10 and ...D10.



→ Column lift for trucks, trailers & semi-trailers

Vertical lift cylinder(s)



Multi-deck column lift with vertical lift cylinder(s)

The DH-VX... are specially designed to load and unload vehicles with multiple or moving loading floors. All DH-VX... are equipped with a flat platform, offering a smooth and level ride from the various loading floors to the ground (and vice versa).

The DH-VX & DH-VH... have 1 (VX) or 2 (VH) **lift cylinder(s) mounted vertically** in the lift column(s). As these lifts have no horizontal cylinder beam at all, they are ideal for vehicles where the free passage height through the body aperture is crucial (very low loading floor + very slim cross member at the roof). E.g. **semi-trailers with independent axle suspension**.

Often, these lifts are used as **internal lifts** or moving decks: platforms with a fixed horizontal platform orientation (no tilt cylinders), travelling internally between the lower and upper deck. These internal lifts are often combined with a second, external lift (a multi-deck lift, a slider lift, or a hydraulic ramp).

DH-VX & DH-VH are available in various models and geometries. The most common lift models are:

DH-VX.25.D2 • 1000 - 2500 kg

- Basic model, robust & heavy duty, multi-functional
- Single lift cylinder mounted in the right side column, plus a set of cables crossing at roof level for the actuation of the left side lift runner
- Platform = steel frame + aluminium infill profiles
- Lifting height to approx. 1400 mm under the roof level (*)
- Available as exterior lift (with tilt) or as interior lift (with fixed platform)
- Ext. Lift: shrouds and platform seals on the outside of the columns

DH-VH.40.E2 / D2 • 1000 - 4000 kg

- Fully hydraulic system with 2 lift cylinders (one in each lift column), no cables or chains involved
- Platform = steel frame + aluminium infill profiles
- Lifting height to approx. half the vehicle body height (suitable for 2 decks with identical height)
- Available as exterior lift; as independent interior lift; or as combined exterior + interior lift

(*) See remark 1 on pg. 165 reg. the achievable lifting height.



→ Column lift for trucks, trailers & semi-trailers

DH-VO.20.D4 • 1000 - 1800 kg



Removal lift up to 6 m height

The DH-VO.20.D4 is equipped with a unique system of **telescopic lift columns**, enabling the platform to travel from flat on the ground, beyond the roof, to a **level at max. 6 m above the ground** (2) in one continuous movement.

The lift is equipped with hydraulic stabilising legs, to guarantee optimum safety when working at extreme heights.

The product offer includes a basic version for general applications and a **REMOVAL execution** (option OVU002). The latter is specially designed for the transport and delivery of furniture and for removal activities.

Standard execution • 1000 - 1800 kg (1)

- Lower beam lift with telescopic lift runners, steel cables and a set of pulleys
- Hydraulic closure with 2 tilt cylinders
- Platform = steel + aluminium infill profiles
- Lifting height to approx. 6 m above the ground (2)
- Independent hydraulic stabilising legs
- Standard side safety rails with integrated lift / lower controls
- Roof construction

Additional equipment on OVU002 Removal execution

- Lateral shrouds & platform seals
- Extension of the platform to max. 3000 mm
- 4-sides demountable safety rails (fully CE compliant on fall protection)
- 2-button wander lead with plugs mounted on the platform surface
- Facility to incline the platform down below horizontal angle into ramp-position

(1) Risk analysis on fall protection required to comply with CE regulations.

(2) See remark 1 on pg. 165 reg. the achievable lifting height.



DH-VOZ.10.K1

750 - 1000 kg
1 or 2 sides,
Platforms up to max.
7500 mm long



DH-VZ.03

300 kg
Gas bottle lift

DH-VX.10.E9

750 - 1000 kg
For lifting heights up
to 1.9 m (above vehicle
floor level)



DH-VH.10.H1 or

DH-VO.10.K1

500 - 1000 kg
Lift for hospital beds,
medical vehicles



DH-VX.25.D2

1000 - 2000 kg
Multi-deck lift, side
mounted, with reinforced
platform



Side mounted applications

Various types of column lifts can be adapted, or are specially designed to be mounted to the side of the vehicle. An important share of these lifts are used for the distribution of gas bottles, or for the delivery of beverages.

Consult your national **DHOLLANDIA** distributor for further assistance and detailed information.



DH-VZC.05

500 kg

Gas bottle lift integrated in the vehicle floor



DH-VMC.10.H1

750 - 1000 kg

Container lift, mounted laterally at the front of a step-deck trailer (at the 5th wheel area)



DH-AC.10

1000 kg

Hydraulic ramp with aluminium platform, side mounted to serve as stage

www.dhollandia.com



DHOLLANDIA

IZ E17-1072 Zoomstraat 9 • 9160 Lokeren • Belgium
Tel. +32 (0)9 349 06 92 • Fax +32 (0)9 349 09 77
www.dhollandia.com • info@dhollandia.be

DHOLLANDIA UK LTD

7 Latham Road • Huntingdon, Cambridgeshire
PE29 6YG • United Kingdom
Tel. +44 1480 435 266 • Fax +44 1480 431 823
info@dhollandia.com