

Column lift DH-VO.07.K1

500 - 750 Kg



DHOLLANDIA



Light-duty column lift with manual closure

The DH-VO.07.K1 is a **light-duty column lift**, designed for commercial vehicles up to 7.5T GVW. This lift offers maximum all-round efficiency. In standard execution, it is equipped with a single-piece aluminium platform. Further, a wide range of options exists to adapt the lift to meet specific applications, such as:

- Roll-stops, hinged ramps and safety rails
- Dump-over and Dump-through lifts for **tipper vehicles**
- **Air-permeable mesh platforms and foldable platforms** for drop-side and flat-bed vehicles (less wind resistance, better fuel economy)
- K2 execution to increase the lifting height for any given column width [OVU015]
- K9 execution to **lift above the vehicle floor level** [OVU013]



Reinforced lift columns in hot-dip zinc plated steel



Weight saving aluminium columns (option)

+ Very versatile lift available with a large choice of value-adding options and extra equipment.

+ Lift combines maximum operational reliability with a great ease of use.

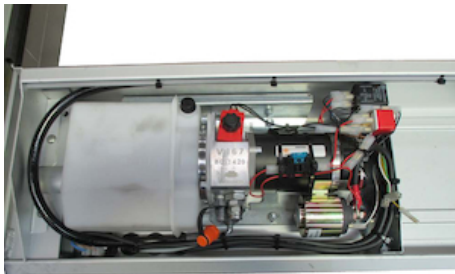
+ Reinforced lift columns made of hot-dip zinc plated steel (standard), or weight-saving full aluminium columns (option).

+ Easy to install to the vehicle body. No chassis constraints.





Light-weight aluminium platform with fixed leading edge



12V or 24V DC compact pump unit, premounted in the lower beam if technically possible



Electrical controls without sensitive electronic components

CHARACTERISTICS

DH-VO.07.K1

PLATFORM

- Light-weight aluminium platform with fixed leading edge
- Wind permeable platform with grids or mesh steel available as an option [OVP509...]. Option offers improved fuel efficiency on open vehicles; and quick evacuation of rain, snow, mud through the platform surface
- Manual opening and closing of the platform, (where needed) supported by powerful torsion bars

FUNCTIONAL & MECHANICAL CHARACTERISTICS

- Lower beam: operated by 1 single lift cylinder, mounted in a beam at the vehicle floor level, and a set of chains and pulleys
- Cylinder beam made of aluminium to save weight and increase pay-load
- Reinforced lift columns made of hot-dip zinc plated steel (standard), or weight-saving full aluminium columns (option).
- Lifting height to the (1st) loading floor of the vehicle
- Lifting above (1st) vehicle floor level available as an option K9 / E9 [OVU013]
- Flat platform, level ride

HYDRAULICAL CHARACTERISTICS

- Single acting lift cylinder in the lower beam
- 12V or 24V DC compact pump unit, premounted in the lower beam if technically possible
- Manual emergency operation on all electrovalves

ELECTRICAL CHARACTERISTICS

- Exterior control box with main battery disconnect switch and removable key [OAE030.BT.0]
- Electrical controls without sensitive electronic components

FITTING

- Columns standard prepared for bolt-on fitting to the rear frame of the body [OVF003.1]
- Suitable for bodies with shutter doors, for dropside and flat bed bodies. Not suitable for bodies with barn doors (unless in combination with K9 execution [OVU013 + OVF062])

FINISH & MAINTENANCE

- Low-maintenance bearings in all articulation points
- Alu platform or platform sections in natural finish
- Lift frame in hot-dip zinc plated or "galvanised" finish. Best possible protection against corrosion [OVT121.F]

Disclaimer: data and images of lifts and options are indicative, and may vary in function of the lift execution and vehicle details. Ask confirmation from DHOLLANDIA.



Air-permeable aluminium platform with steel mesh platform surface [option OVP509.A]. Reduces wind resistance and fuel consumption on open-bed or drop-side vehicles. Also offers improved anti-slip protection: rain, snow, mud and dirt are quickly evacuated through the platform surface.



Air-permeable platform with composite grids [option OVP509.C]. Reduces wind resistance and fuel consumption on open-bed or drop-side vehicles. Also offers improved anti-slip protection: rain, snow, mud and dirt are quickly evacuated through the platform surface.



Foldable aluminium platform [option OVP206]. In drive position, this platform optimises the fuel consumption for open vehicles. When lowered below the floor, it makes the body fully accessible, e.g. to load / unload by means of fork lift or at the loading dock.



Hinged aluminium side + rear ramps [OVP120.A.S + OVP120.A.R]. In raised position, the ramps form an ideal load restraint for high-stacked unstable roll-cages. In ramp position, they provide best possible alignment between the platform and the ground, and allow to (un)load roll-cages with max. safety.



Dump-through execution for tipper vehicles [option OVU010]. The aluminium platform can pivot around 2 hinges mounted at the outboard extremity of the platform. When tipping, the cargo can be dumped between the hinging platform and the rear sill of the body.



Dump-over execution type 1 for tipper vehicles [option OVU011]. The steel platform can be folded in half, and lowered below the floor level of the vehicle. When tipping, the cargo can be dumped to the ground, over the rear sill of the body and the lift.



Dump-over execution type 2 for tipper vehicles [option OVU014]. The aluminium platform can be folded in half, and lowered below the floor level of the vehicle. When tipping, the cargo can be dumped to the ground over the rear sill of the body and the lift.

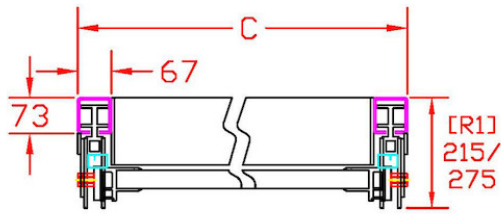


K2 execution for increased lifting height on narrow lifts [option OVU015.A]. The max. lifting height is determined by the width of the vehicle body. The K2 technology enables the platform to reach almost 2x as high as the basic K1 execution.

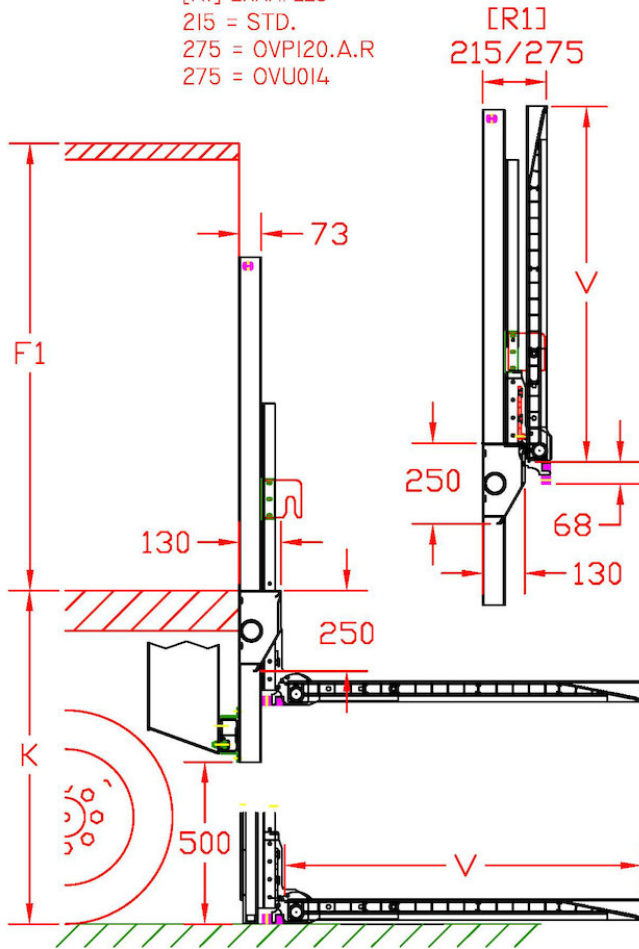


DH-VOP.07.K1 or K9 lift for pick-up trucks . Special H-frame with shorter columns and premounted pump unit for easy integration at the rear of pick-up trucks. (K9 = lifts approx. 200 mm above floor).





[R1] EXAMPLES
 215 = STD.
 275 = OVPI20.A.R
 275 = OVU014



TECHNICAL CHARACTERISTICS

DH-VO.07.K1

Lift system	Lower beam: operated by a single lift cylinder mounted in an aluminium beam at the vehicle floor level and a set of chains & pulleys
Open / close	Manual closure supported by torsion bars
Type of ride	Flat platform, level ride
Standard lift system	<ul style="list-style-type: none"> - Flat platform with fixed leading edge - Roll-stops & hinged ramps available as an option
Material	<ul style="list-style-type: none"> - Light-weight aluminium platform, or - Air-permeable aluminium platform with steel mesh [OVP509.A] - Air-permeable aluminium platform with composite grids [OVP509.C]
Standard platform depths	<ul style="list-style-type: none"> - 900 - 1100 - 1300 mm - Other platform sizes on request
Standard control unit	OAE030.BT
Standard finish of the lift frame	Galvanised steel columns of aluminium columns [option OVF015]

MOUNTING DIMENSIONS

DH-VO.07.K1

Lifting height in function of the vehicle width





OAE001 - 2-button wander lead with spiral cable



OAE010.O - 3-button control incl. emergency stop (option)



OAE010.PR - 3-button control incl. emergency stop (principal control)



OAE011.O - Fixed interior 3-button control incl. change-over switch (option)



OAE011.PR - Fixed interior 3-button control incl. change-over switch (principal control)



OAE013 - Mounting bracket for exterior control box OAE010



OAE014 - Mounting bracket for interior control box OAE011



OAE015.O - 2 function toggle switch control (option)



OAE015.PR - 2 function toggle switch control (principal control)



OAE016.O - 2 function toggle switch control + change-over switch (option)



OAE016.PR - 2 function toggle switch control + change-over switch (principal control)



OAE031.Z.0 - 3+1 button exterior control box without main battery isolator switch

OVE155.L.1 - Control on top of lift column L

OVE155.R.1 - Control on top of lift column R



OAM026 - Mounting support type B for OAE031.Z



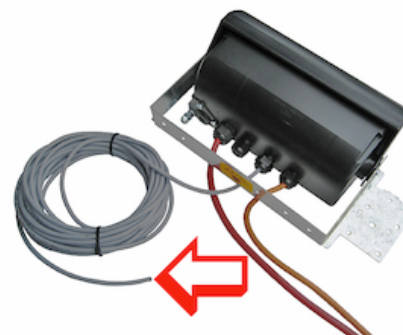
OAE038.A - Main battery isolator switch with demountable key



OAE041.BP.0 - Arctic push-button control box + main battery isolator switch (+ push button)



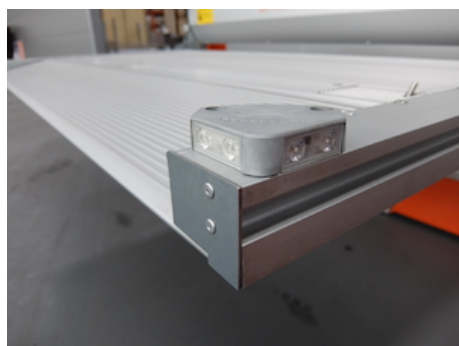
OAE500 - VEHH plug connection for dashboard switch



OAE501.12 - VEHH wire connection for dashboard switch 12 m



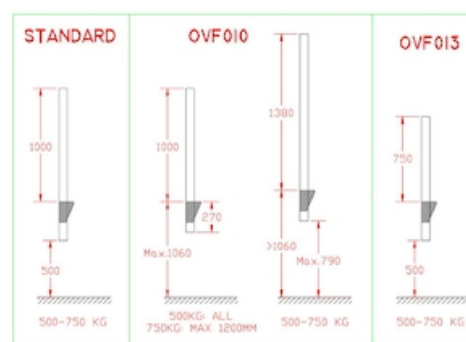
OAE503.1 - Cabin switch (single use)



OVE201.C - Flashing platform lights, battery powered



OVF010 - Short columns / long lift runners



OVF013 - Short columns above cylinder beam



OVF015 - Aluminium columns on DH-VO.07.K1



OVF062 - VO.K1 cylinder beam adapted for rear doors



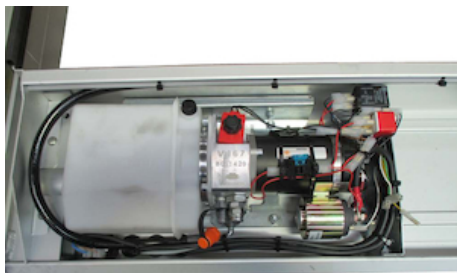
OVF067.2 - Cut-outs for rear lights 2/side



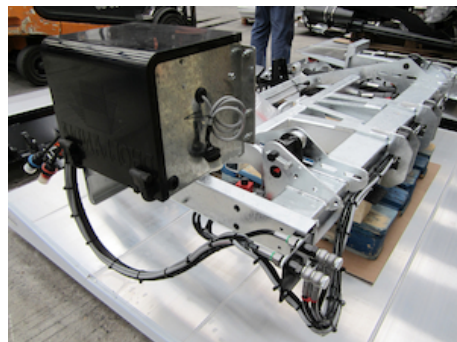
OVF200.A - Aluminium bumper 50 x 100 mm for DH-V*



OVF202.01 - Diagonal bumper support for DH-VOxxK1



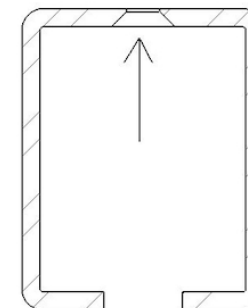
OVH113 - Power pack in cylinder beam VO.07.K1



OAH033 - Power pack supplied loose - connection right side



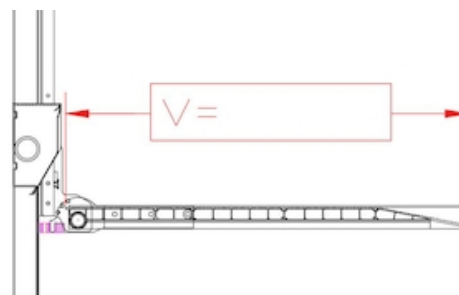
OVM001 - Mounting corners for pick-up trucks



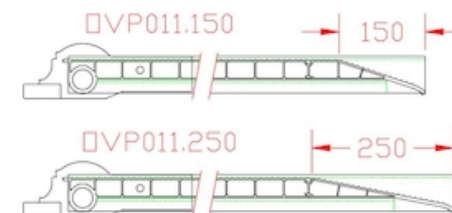
OVF003.1 - Bolt-on fitting through column VB15-VO.K1



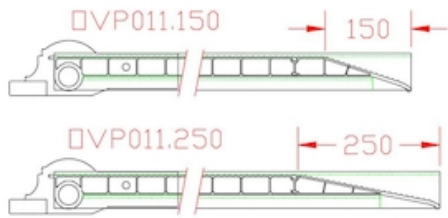
OVP001.1 - Steel platform on DH-V* lift



OVP012.A - Extension of aluminium platform per 100 mm



OVP011.150 - Platform point DHVO.07.K1 = 150 mm



OVP011.250 - Platform point
DHVO.07.K1 = 250 mm



OAP100.M - 2-piece symm. roll-stops in the platform point - MANUAL



OAP100.A - 2-piece symm. roll-stops in the platform point - AUTOMATIC



OVP107.M - Manual rollstops in platform point



OVP107.A - Automatic rollstops in platform point



OVP120.A.R - 2 hinged ramps in aluminium at rear edge of platform



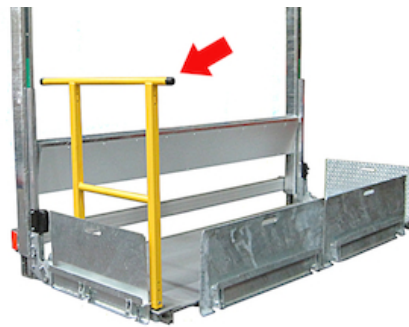
OVP120.A.S - 2 hinged ramps in aluminium at L+R side edges of platform



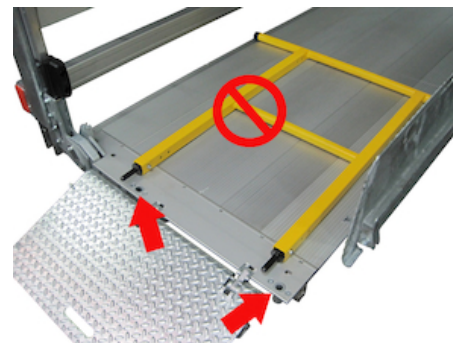
OVP125.LR - Sack barrow side ramps L+R



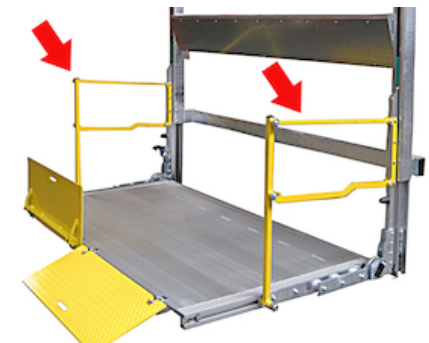
OVP206 - Horizontally foldable platform



OVP302 - Set of 2 drop-in safety rails L+R



OVP303 - 4 holes in the platform for drop-in safety rails OVP302

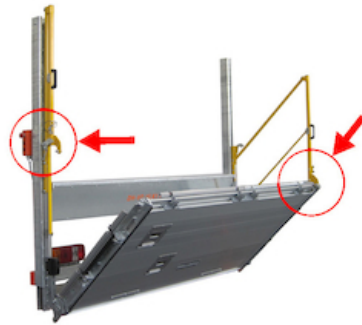


OVP332 - Automatically folding safety rails L+R for DHVO...K1 / VB...E1





OVP334 - Plug-in foldable safety rails L+R for DH-VO...K1 / VB...E1



OVP336 - Dual Mode foldable safety rails L+R for DH-VO& K1 / VB& E1



OVP350.B - Safety rails T2 mounted on lift runners - 2 sides



OVP509.A - Permeable platform : alu frame + steel mesh grids



OVP509.C - Permeable platform: alu frame + composite grids



OVP509.G - Open mesh platform + steel grids



OVP509.G2 - Air permeable platform + steel grids T2



OAT020 - Reflecting platform flags type TÜV



OAT023 - Reflecting platform flags type Export Red



OVT110.1 - Aluminium platform of the DH-VO& K1 / VB& E1 in anodised finish



OVT121.F - Lift frame of the DH-VO& K1 / VB& E1 in galvanised finish



OVU010 - Dump-through execution for DH-VO& K1 on tipper vehicles



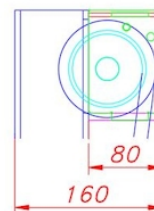


OVU011.S - Dump-over lift T1 for tipper vehicles - steel



OVU013.1 - Execution VO...K9 (T1) above floor level

OVU013.D.1
K9 type2



OVU013.D.1 - Execution VO...K9 (T2) above floor level



OVU014.A - Dump-over execution type 2 for tipper vehicles



OVU015.A - K2 execution on DH-VO.xx.K1 (narrow lift)



OVU015.B - K2 execution on DH-VO.xx.K1 (extra lifting height)

