

# Column lift DH-VH.30.D2

2000 - 3000 Kg



**DHOLLANDIA**



## Multi-deck column lift for semi-trailers with independent axle suspension

The DH-VH.30 are specially designed to load and unload **double-deck semi-trailers with very low ride height and independent axle suspension** . They are equipped with 2 vertical lift cylinders, mounted in the left and right side columns. The platform travels between the upper and lower deck, and often a loading dock at intermediate height. To load and unload at the ground, the rear vehicle suspension is lowered, and the platform tilted down. Like the DH-VX.25, the DH-VH.30 are ideal to **maximize the free passage height** through the body aperture.

Popular platform options include:

- Hydraulic ramp at the outboard platform edge [OVP150]
- 1 or more rows of roll-stops [OVP100.M + OVP102.M]
- Dual purpose safety rails & side loading ramps [OVP305]



**PLATFORM**

- Platform construction: steel frame with aluminium infill profiles
- Fixed leading edge at outboard platform edge [hinged ramps available as an option]
- Fixed tube at the inboard platform edge. A CE-conforming toe-guard must be built by the body builder at the outboard edge of the loading floor(s). Advice available at DHOLLANDIA.

**SPECIAL FEATURES**

- Fully independant exterior lift, with the 4 functions open / lower / lift / close
- Internal "slave" platform without independent lift capacity: the internal platform can travel up / down linked to the external lift, or stay parked at the bottom or top deck.
- The locking mechanism for the internal platform at the higher loading deck is not included in the lift (must be foreseen by the body builder)
- Internal platform consists of a flat top plate reinforced by UPN profiles underneath (to sink into the lower loading deck). The body builder must guarantee suitable toe protection. Advice available at DHOLLANDIA.  
Remark: conventional internal platform with normal thickness (+- 70mm) available on request.
- Internal platform has a non-adjustable angle or pitch

**FUNCTIONAL & MECHANICAL CHARACTERISTICS**

- Concept specially designed for multi-deck vehicles with very low ride height (independant axles), or as internal lift / moving deck
- Lifting range from the lower to the upper deck. External lift doesn't reach to the ground. (Operator uses air suspension and platform tilt to reach the ground)
- Lifting height to +- 1900 mm under roof (depending on vehicle height, and height of the various loading floors)
- Standard V... execution: 2 vertical tilt cylinders [OVH002.0]; cross tube at the top of the lift runners that lift / lower the platform up / down
- Optional execution H...: 2 horizontal tilt cylinders [OVH001.1]; no cross tube between the lift runners

**HYDRAULICAL CHARACTERISTICS**

- Hydraulic closure. 2 single acting tilt cylinders, positioned vertically [OVH002.0]
- Robust pump unit 12V or 24V DC, supplied loose for mounting on the vehicle chassis
- Electrical safety valves on all cylinders

**ELECTRICAL CHARACTERISTICS**

- 3+1 button control box, to be integrated in the side body panel
- Electrical controls without sensitive electronic components
- Safe exterior controls with compulsory 2-hand operation
- Electric motor with thermal cut-out fuse

**FITTING**

- Welded fitting (standard) or bolt-on fitting [option OVF003] to the vehicle body
- CE-conforming toe-guard to be built by the body builder at the outboard edge of the loading



floor(s). Advice available at DHOLLANDIA

**FINISH & MAINTENANCE**

- Low-maintenance bearings in all articulation points
- Treatment: high-quality zinc primer + polyester powder coating
- Alu platform or platform sections in natural finish
- Not included in basic configuration: guard rails
- Guard rails are mandatory above 2000 mm lifting height (CE), and strongly recommended for lower lifting heights. See electrical options for platform controls integrated in one of the guard rails.

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.





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



OAE033.Z - 3+3 button exterior control box without main battery isolator switch



OAE001 - 2-button wand lead with spiral cable



OVE001 - 2-button wand lead + long spiral cable



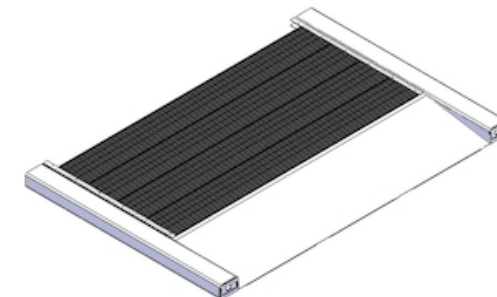
OAE030.BT.0 - Exterior joystick control box + main battery isolator switch (+ turn switch)



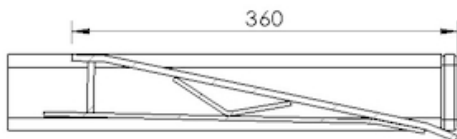
OAE038.A - Main battery isolator switch with demountable key



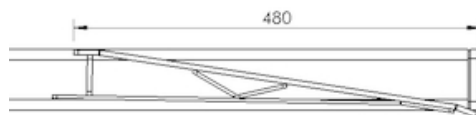
OVE201.B - Platform lights ON TOP of the platform surface



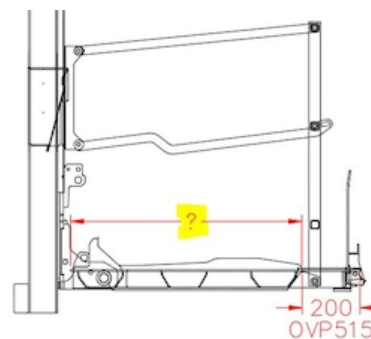
OVP003 - Platform DH-V\* manufactured from steel frame + aluminium profiles



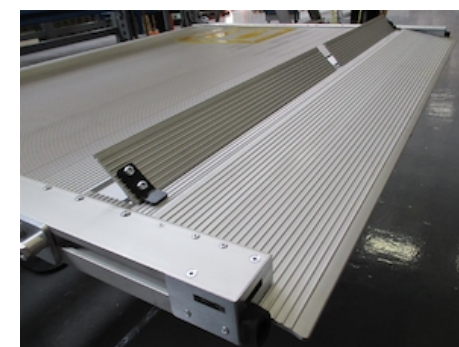
OVP010.360 - Short fixed leading edge 360 mm



OVP010.500 - Fixed leading edge 500 mm



OVP012.S - Extension of the steel platform per 100 mm



OVP100.M - 2 manual rollstops in profile before point

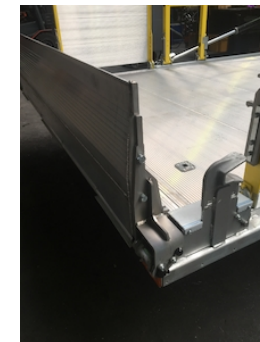


OVP100.A - 2 automatic rollstops in profile before point



OVP120.S.R - 2 hinged ramps in steel at rear edge of platform

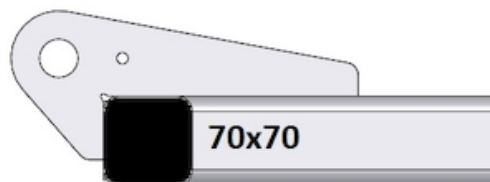
OVP120.A.R - 2 hinged ramps in aluminium at rear edge of platform



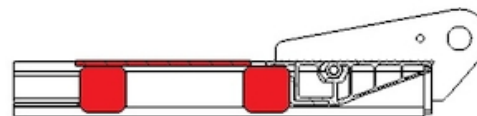
OVP152.400 - Hydraulic roll-stop T2 400 mm (SA)



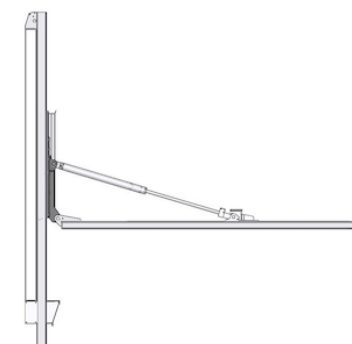
OVP153.400 - Hydr. roll-stops 400 mm + dock supports



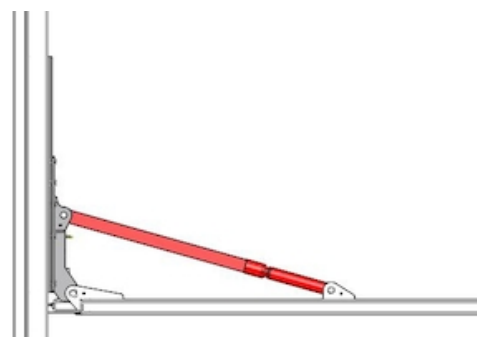
OVP400 - Platform without toe-guard flap



OVP508 - Preparation for rear lights in the underside of the platform DH-V\*



OVP300 - Platform supplied without safety rails



OVH005 - Fixed platform without tilt cylinders

OVH002.0 - Tilt cylinders mounted vertically (std.)

OVH001.1 - Tilt cylinders mounted horizontally (option)

OVH002.1 - Tilt cylinders mounted vertically (option)





OVH110 - Double acting flow valve V189 open/close

OVH112 - 2 closing speeds (+ extra push button)

OVT100 - Standard paint finish on DH-V\* (2K epoxy + powder coating)

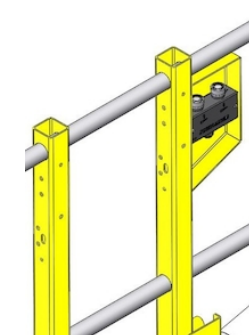
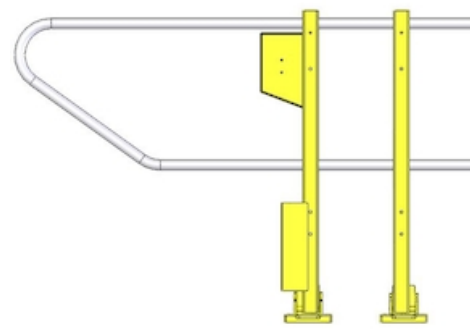
OVT110 - Aluminium profiles of the DH-V\* platform in anodised finish

OVT120.IF - Interior lift frame of the DH-VH30 series in galvanised finish (on dem)

OVT120.P - Steel platform frame of the DH-V\* in galvanised finish (on demand)

OVP504 - Aluminium platform profiles welded on the outside

OVP505 - Aluminium platform profiles welded on both sides



OAT020 - Reflecting platform flags type TÜV

OAT023 - Reflecting platform flags type Export Red

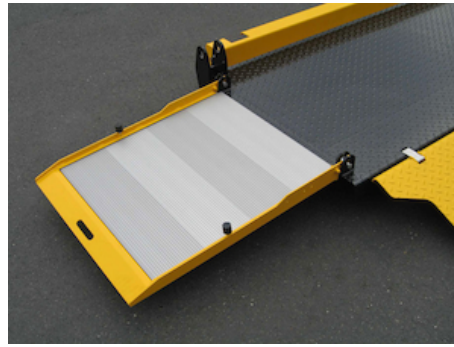
OVP301 - 2 hinged side safety rails L+R - STD

OVE150.L - Toggle-switch up / down control on LEFT-side guard rail

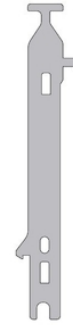




OVE150.R - Toggle-switch up / down control on RIGHT-side guard rail



OVP305 - 2 combined side rails / side ramps on the platform L+R



OVP309 - Lock for safety rail on platform surface

OVF003.2 - Bolt-on fitting VB-VO-VX

