

Column Lift Table



ESIDOCK

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» Imprint

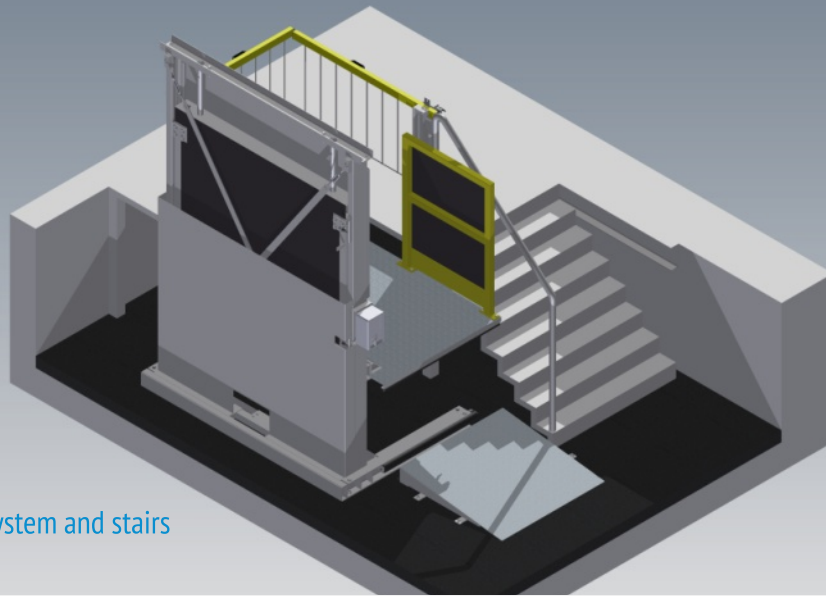
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Note: Due to the dependence on the remaining building physics, no guarantee can be given for the achievement of the potential savings described in this brochure.

More information: www.esidock.com



Column Lift Table

On steel ramp with a barrier system and stairs

INTRODUCTION

Functionality and structure of a Column Lift Table

» Application area

Column Lift Tables are used in any situation,

1. where there is **no space** to build the pit required for conventional scissor lifts, or
2. when generally **large lifting heights** are to be overcome, but the platform dimensions are to be made relatively small.

» General technical specifications

Platform width PB: 300 - 3000 mm

Platform length PL: 300 - 3000 mm

Operating stroke: 100 - 3000 mm

Load capacity: 100 - 10.000 kg

Corrosion protection: hot-dip galvanized

Hydraulic power unit: outside the pit

Construction also available in painted steel or stainless steel. Special constructions with other dimensions and load capacities possible.

Technische Änderungen vorbehalten

DESCRIPTION

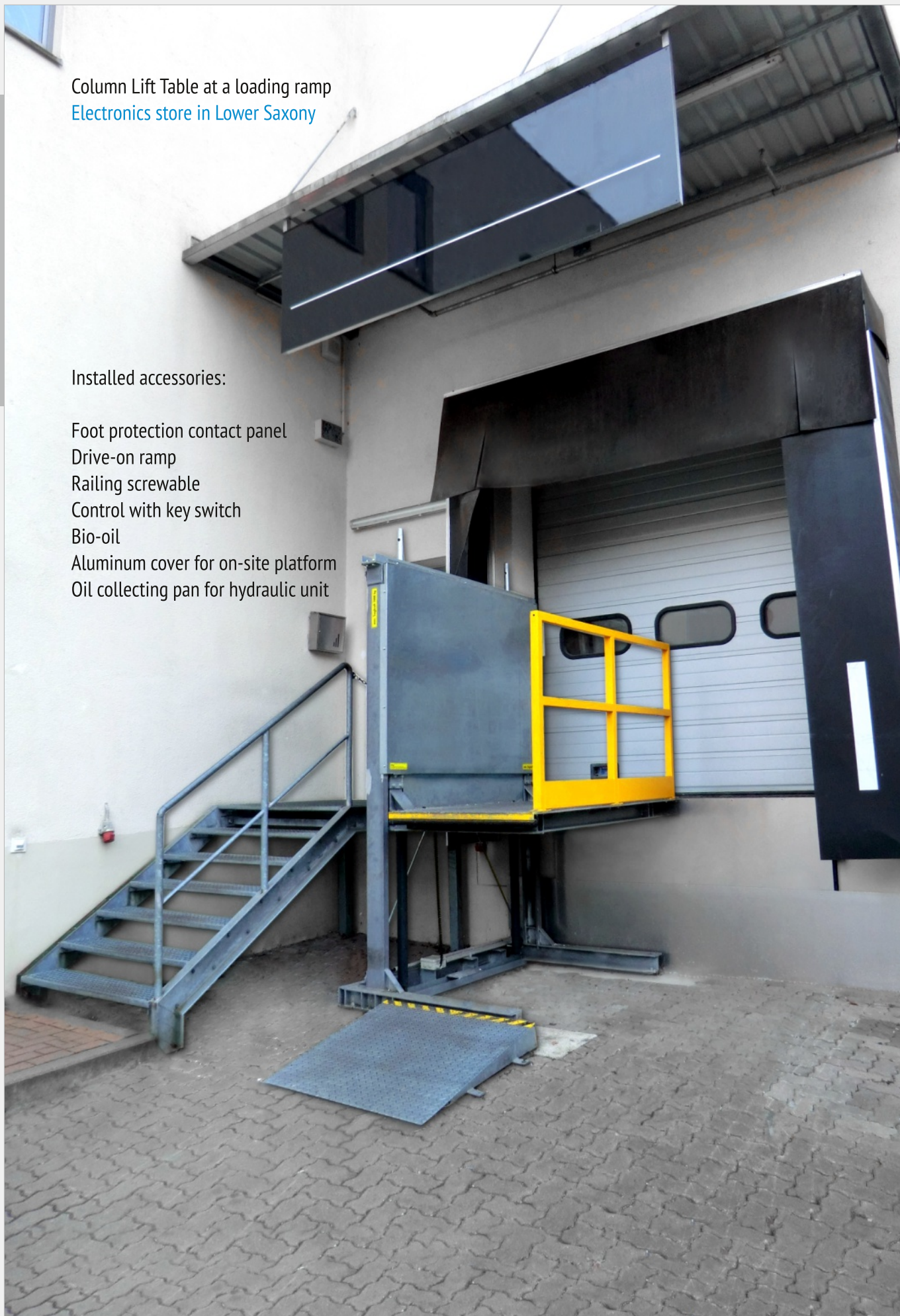
Column Lift Tables

Column lifts could be easily installed in most existing buildings, as they can be built without any major construction work. They are mainly used in Retail Logistics and High-Tech Logistics as freight elevators. The designs are tailored to the customer's specific needs. The column lift is not lifted by a pair of scissors, but by hydraulic cylinders located in the »columns« or other frame. The platform is regularly designed to have a very low drive-up height. These lift tables also offer special solutions for clean rooms, ATEX zones, chemical applications, heavy industry, etc.

Column Lift Table at a loading ramp
Electronics store in Lower Saxony

Installed accessories:

Foot protection contact panel
Drive-on ramp
Railing screwable
Control with key switch
Bio-oil
Aluminum cover for on-site platform
Oil collecting pan for hydraulic unit



Column Lift Table at a loading ramp (Consumer Goods Logistics)
Application in electronics store (NRW)



Subject to Technical Changes

I. Solution for electronics stores

» Problem and Solution

Many retail and electronics stores are familiar with the problem that bulky and heavy goods have to be loaded or lifted to yard level in the goods issue area at the ramp. We have developed a Column Lift Table especially for such pro-

blems. This system has now proven itself in practice over many years. The bulky goods can be lifted easily, safely and comfortably from the ramp with the lifting table shown.



» SHT20 (Column Lift Table 20 kN)

The EsiDock Column Lift Table can be simply do-
welled to the floor in front of the ramp. The
height of the platform can be from 50 mm high
up to 250 mm, depending on the load capacity.

Accessories installed here

Under-run protection all the way around

Drive-on wedge

Manual barriers with mesh curtain

Portal railing with additional control unit

» Technical Information

Platform width PB: 1000 mm

Platform length PL: 2050 mm

Operating stroke NH: 1070 mm

Load capacity: 2.000 kg

Corrosion protection: hot-dip galvanized

Hydraulic power unit: outside the pit

Power: 1,5 kW

Total width: 1450 mm

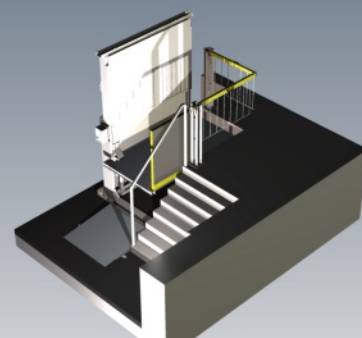
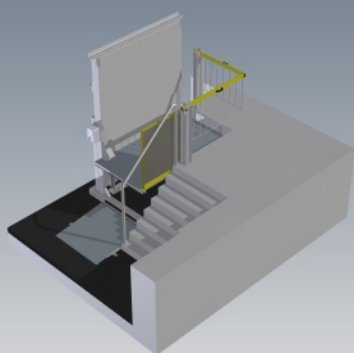
Overall height BH plateau lowered: 130 mm

Total height (base frame): 2805 mm

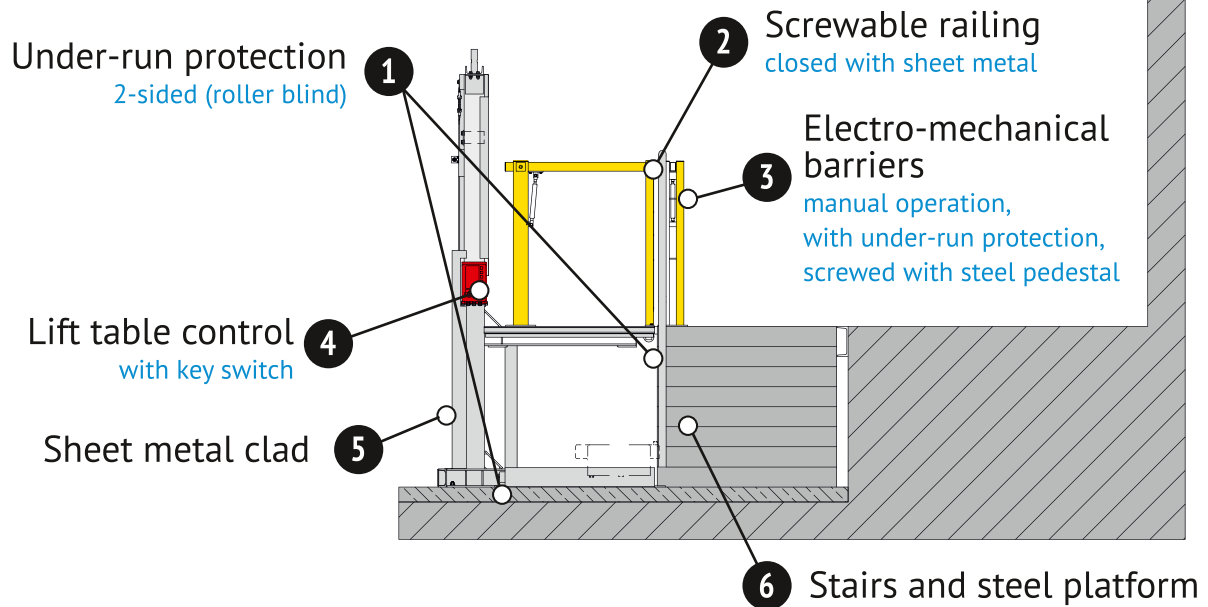
Lifting cylinder: $\varnothing = 50$ mm, Hub = 1150 mm

REFERENCES

SHT20



Column Lift Table on steel ramp



» Cross section execution planning

Many users do not want to provide the Column Lift Table for personnel transport. Therefore, this equipment is regularly combined with a stairway for the operators.

The sectional view of a ramp with Column Lift Table shown here is representative of many existing loading ramps in commercial and industrial buildings. It is generally possible to install a Column Lift Table at a later date at a reasonable cost.

Operators usually stand next to the lift table in a position where the hazardous area is fully visi-

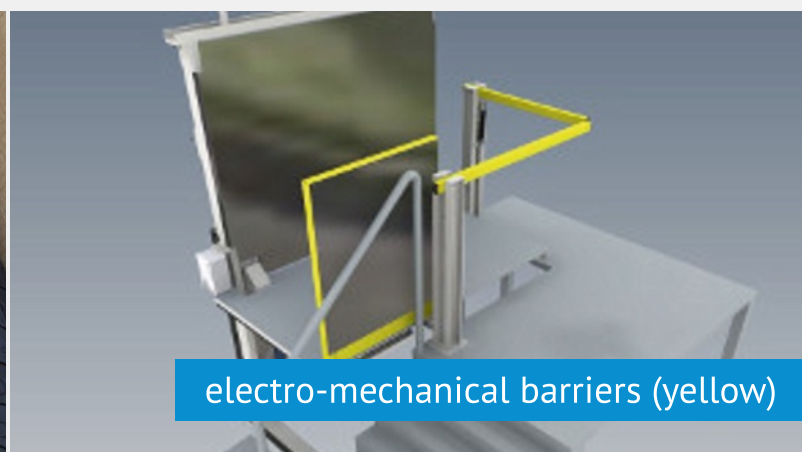
ble. Shear and crushing edges must be safeguarded. A walk-under guard keeps contamination below the lift within limits.

» Technical Information

Platform width PB: 300 - 3000 mm
 Platform length PL: 300 - 3000 mm
 Operating stroke NH: 100 - 3000 mm
 Load capacity: 100 - 10.000 kg
 Corrosion protection: hot-dip galvanized or RAL

Different dimensions possible

REFERENCES





SHT20 Column Lift Table (See also page 16)
 Lifting cylinder with triple roller chain 16B-3

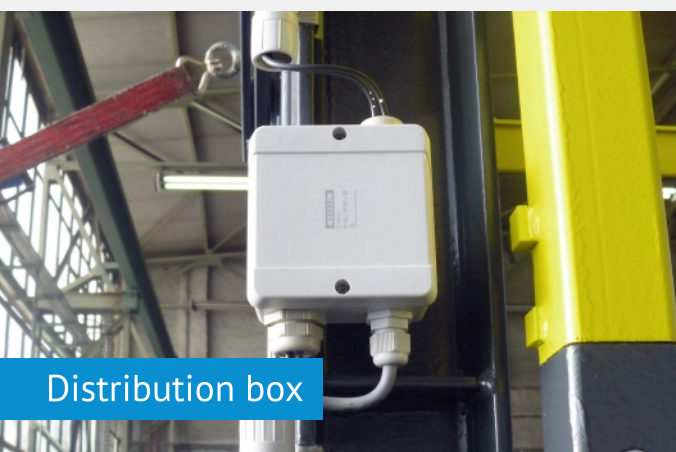
II. Solution for waste management

» Installation

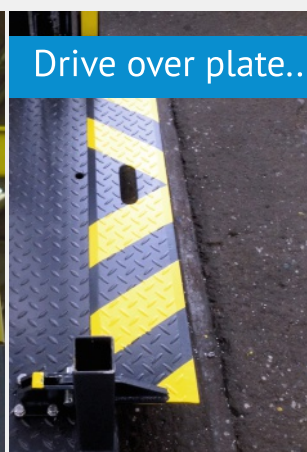
The lifting table is placed on your existing yard and secured against slipping. It can be moved or

dismantled at any time. Only the laying of a power line is required on site.

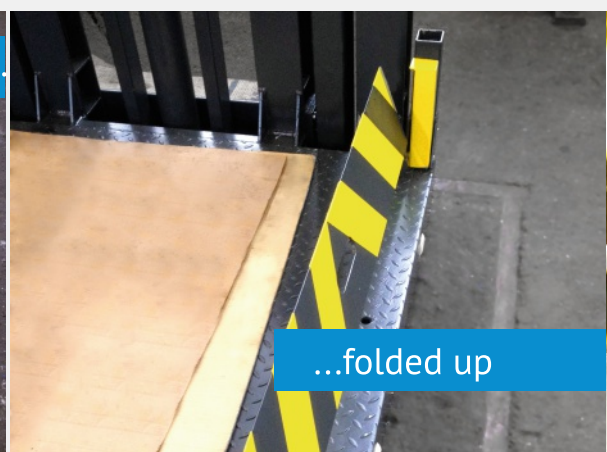
DETAILS



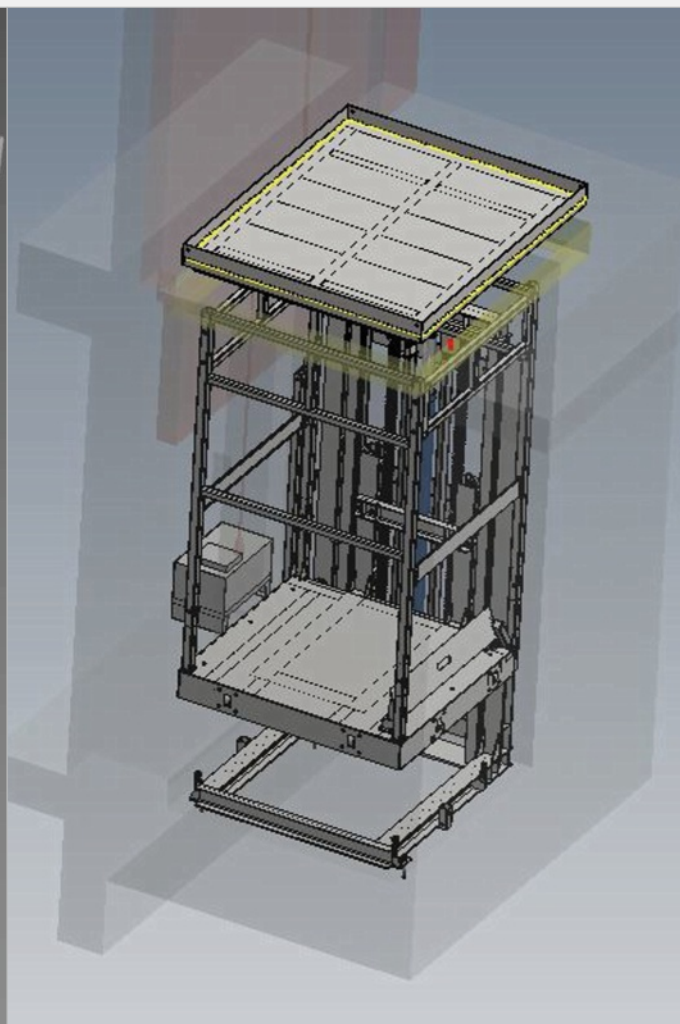
Distribution box



Drive over plate...



...folded up



Subject to Technical Changes

» Garbage elevator with canopy

One of the most common uses of column lifts is for moving trash cans between different levels. In a special version shown here, we have placed a mobile canopy in the yard area on the first floor, which closes the shaft. The Column Lift Table is equipped with receptacles that take this

canopy with them when they are raised. This means that a Column Lift Table with canopy can also be used where the height outside is not sufficient for a platform with a permanently mounted canopy.

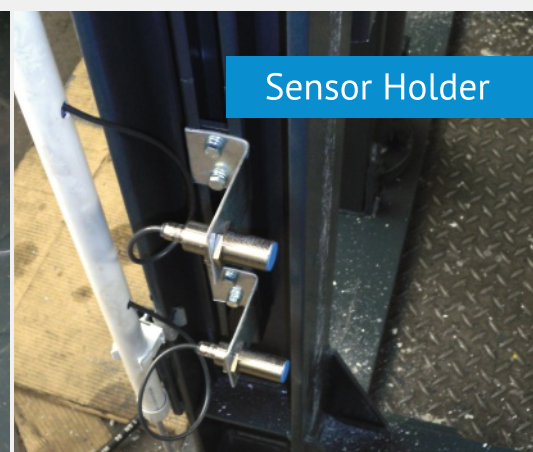
DETAILS



Lift mast



Leadership Role



Sensor Holder



Designed for 2 tons

Column Lift Table in high-tech logistics with cladding

III. Solution for hospitals

» SHT20 in hospital

A wide variety of goods also have to be handled in Hospital Logistics. These include, for example, fixed assets such as floor conveyors, furniture and walkways, as well as consumer goods such as service and protective clothing, bed linen, crockery, breathing bags and anesthetic masks, or even consumables such as medicines, dressings and implants. These goods usually have to be shipped carefully and packed in larger and thus heavier batch sizes, which makes it neces-

sary to lift and lower them in the building by means of a hydraulic lifting table. The Column Lift Table is a suitable solution for this, especially if structural measures are to be kept small. For use in a hospital, we can also supply Column Lift Tables (as well as Dock Levellers and Scissor Lift Tables, for example) in stainless steel.

DETAILS



Triple lift chain



Hydraulic power unit



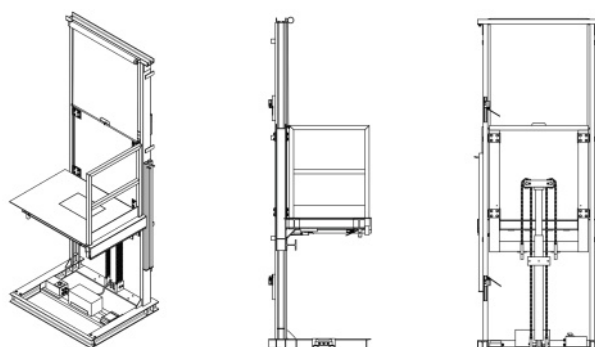
Load capacity 2000 kg



Column Lift Table for nursing home for the seniors (SHT05)
Column Lift Table with railing

» Solution for nursing homes

Just as in hospitals, a large number of goods, most of them sensitive, are loaded in nursing homes. We have already installed our Column Lift Tables in many nursing homes in Germany, Austria and Switzerland. The low-maintenance technology is particularly suitable for these applications, and the much-cited »total cost of ownership« (TCO) is particularly low here compared with other elevator solutions.



DETAILS



SHT05



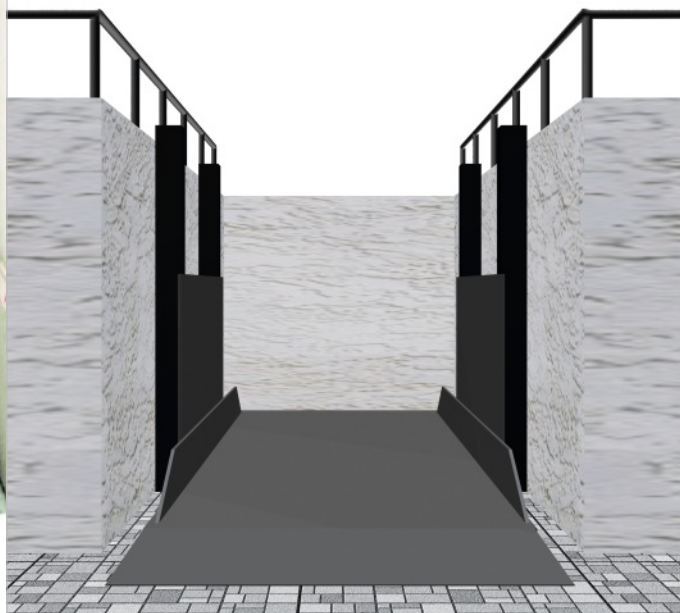
Lifting cylinder on chain wheel hub



Key switch



Column Lift Table for 500 kg
Column Lift Table with railing



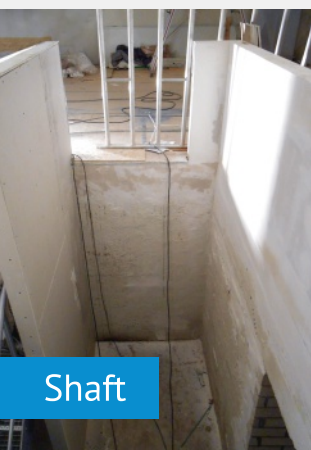
IV. Solution as freight elevators

» SHT for 500 kg

In the most common applications, column elevators are found as goods elevators. By using them, basements and basement floors can be made usable again in a simple way, so that all conceivable loads can be transported there efficiently. In the application example shown here, computer and electrical equipment is transpor-

ted from street level to the basement level. There they are assembled, packed and prepared for further transport. Safety railings must eliminate any risk of falling in these applications.

REFERENCES



Shaft



Interior view



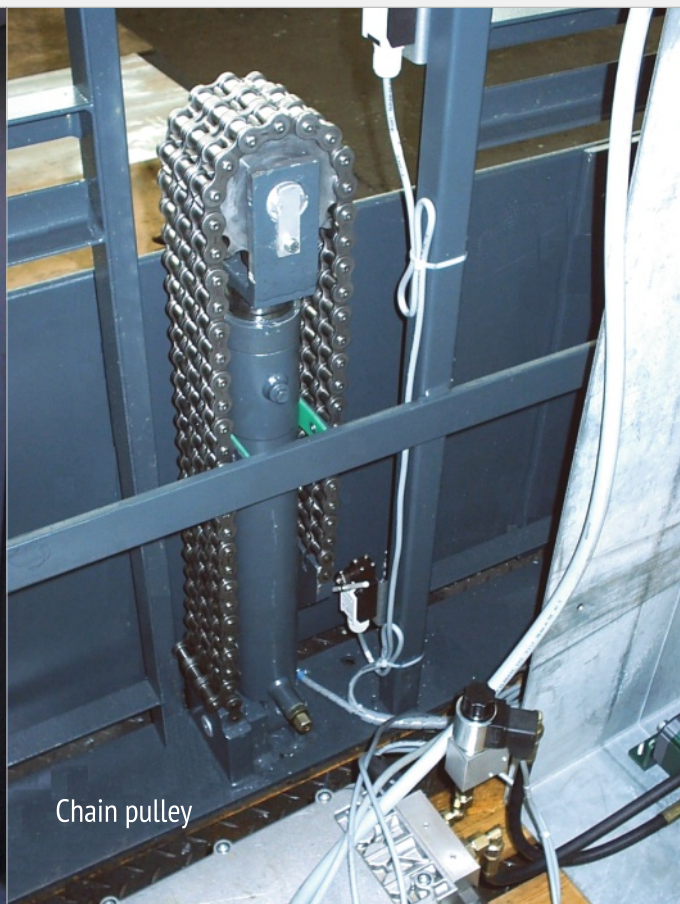
Below



Above



Application for 2 tons
Column Lift Table in Berlin



Chain pulley

Subject to Technical Changes

» SHT20 for max. 2000 kg

Column Lift Tables are often coupled with access doors. It must be ensured that shaft doors can only be opened when the lift table is in the corresponding position. Otherwise, the electrically lockable lock must block the door.

» Technical Information

Platform width PB: 1000 mm
Platform length PL: 1200 mm
Operating stroke NH: 1530
Overall height BH: 180
Load capacity: 2.000 kg
Corrosion protection: hot-dip galvanized

REFERENCES



Railing

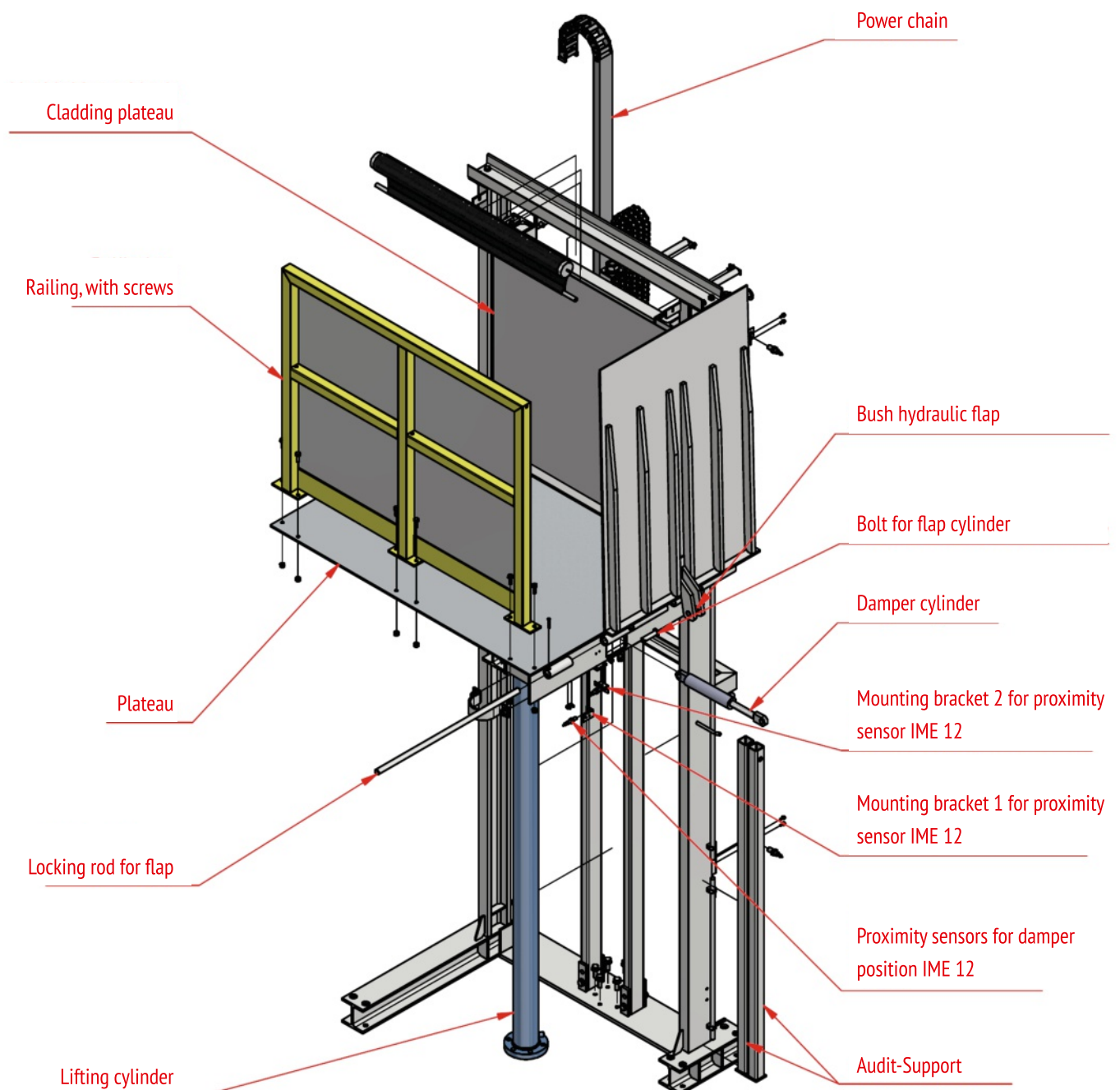


Control / emergency stop switch

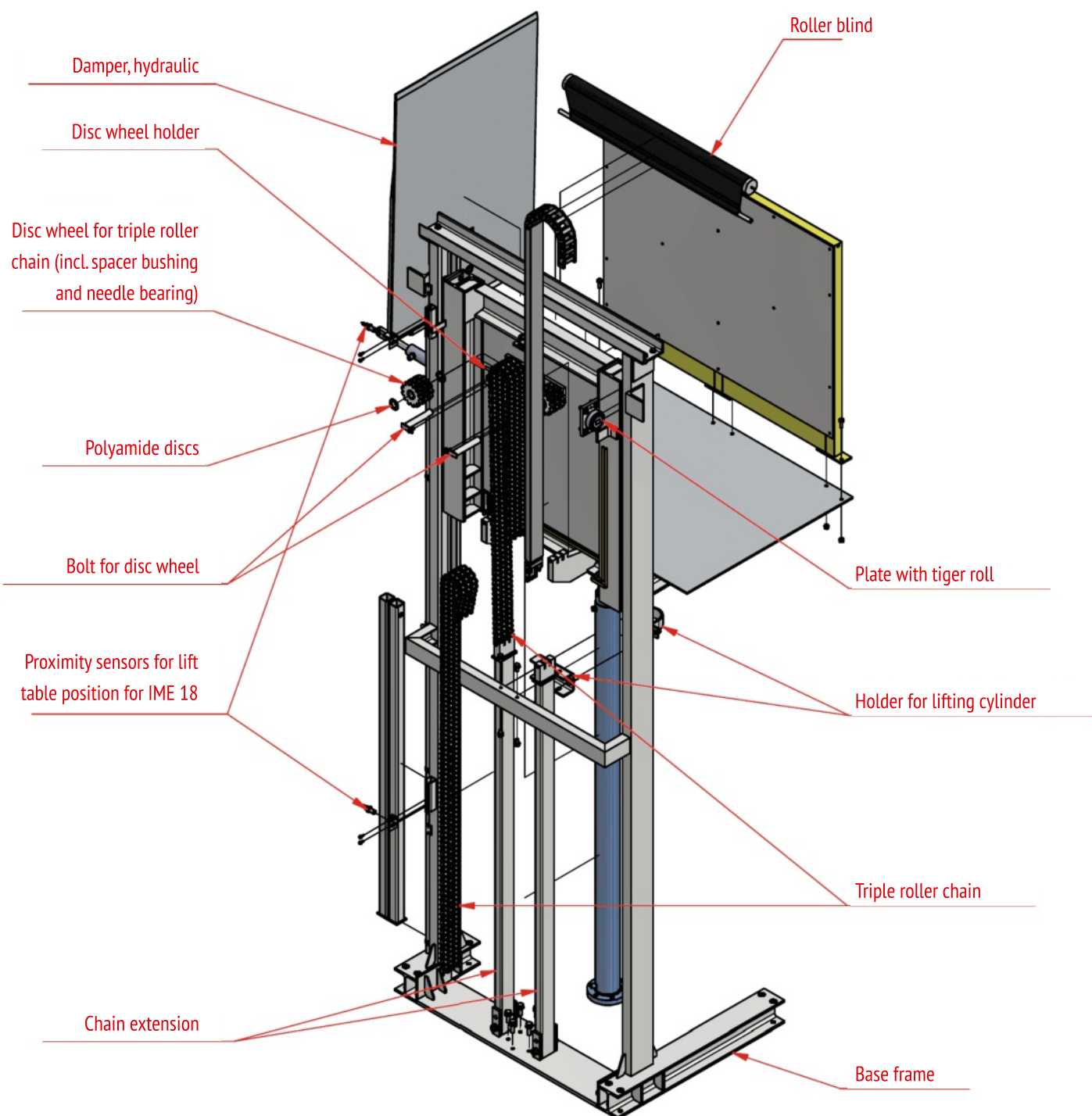


Bottom position

V. Solution for event venues



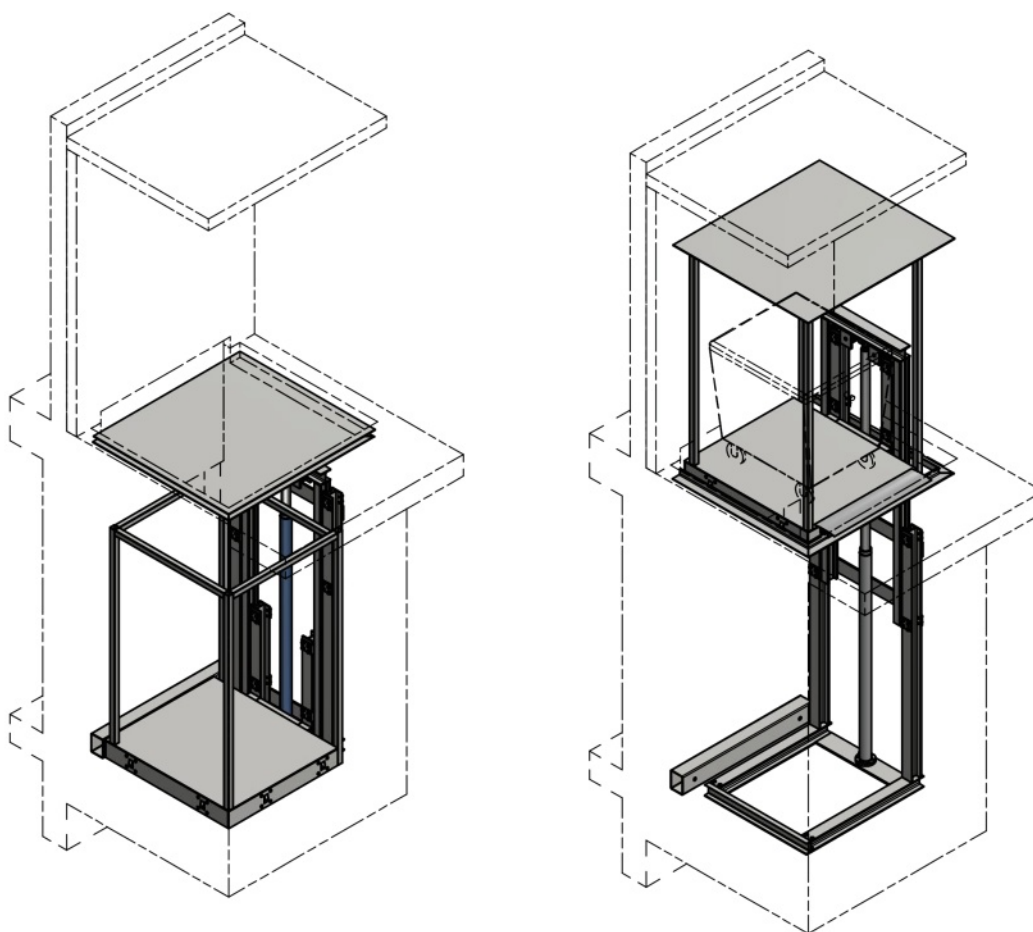
SHT10 (Column Lift Table 1 ton)



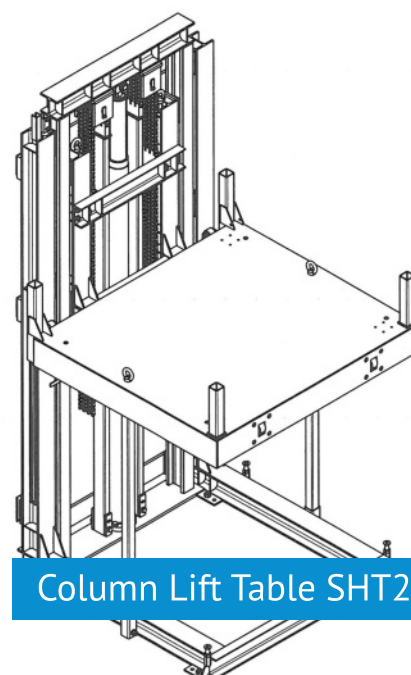
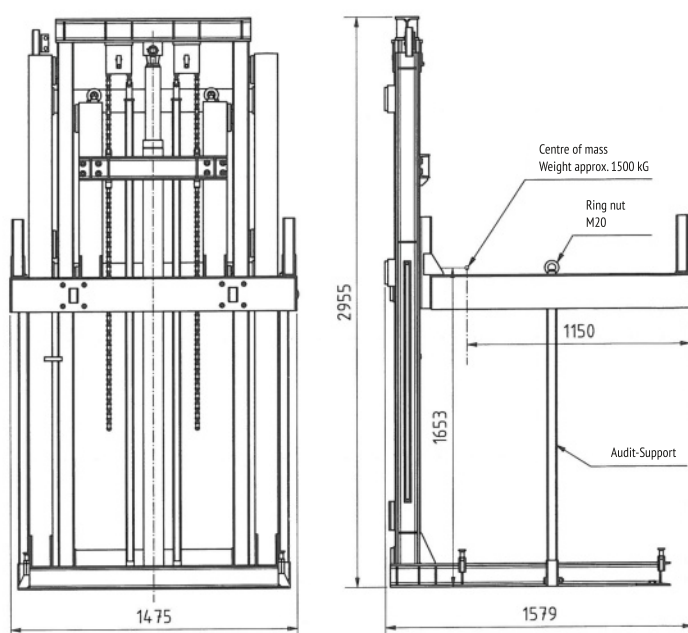
Rackframe SHT20 (High-Tech Logistics)

Subject to Technical Changes

SHT20 for disposal with garbage containers



Subject to Technical Changes



Column Lift Table SHT20



Rackframe SHT20



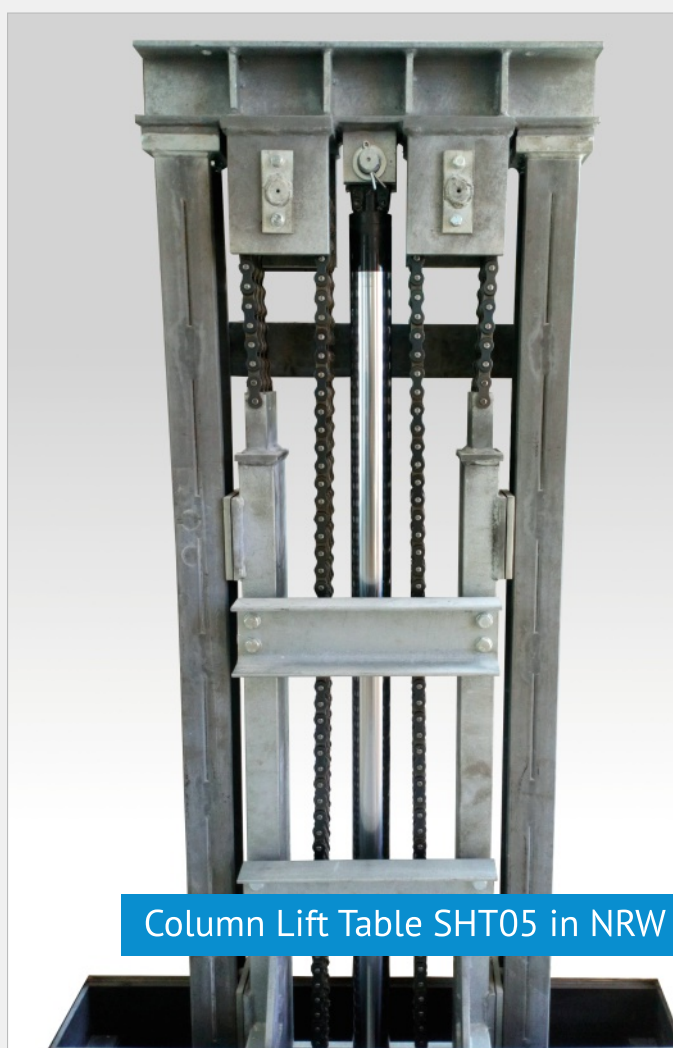
Freight elevator below



Freight elevator top



Column Lift Table SHT05 indoor

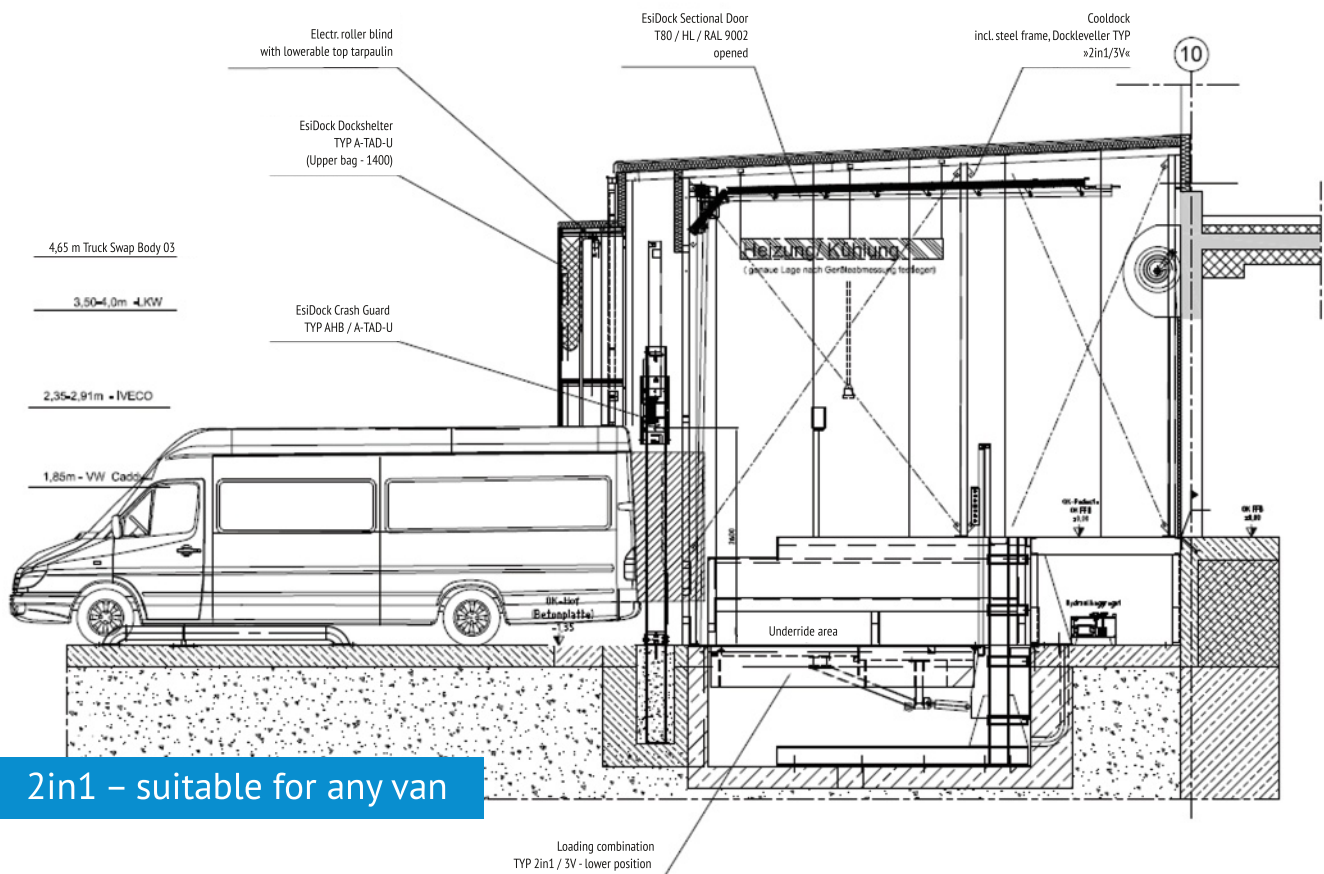


Column Lift Table SHT05 in NRW

Subject to Technical Changes



2in1 – Column Lift Table with leveller (VBK)



2in1 – suitable for any van



Column Lift Table outdoor



Column Lift Table in Baden Württemberg

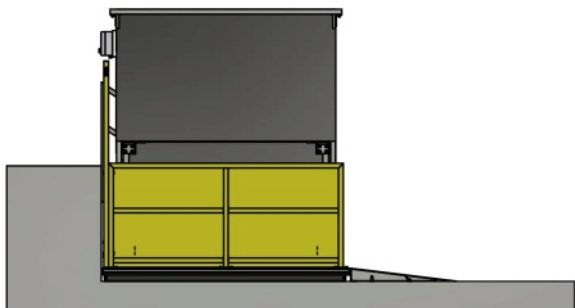


Drive-on ramp SHT05

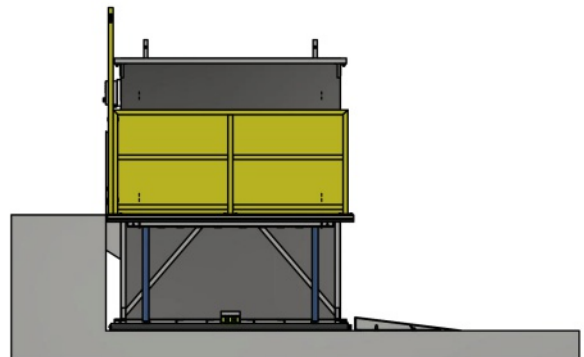
Subject to Technical Changes



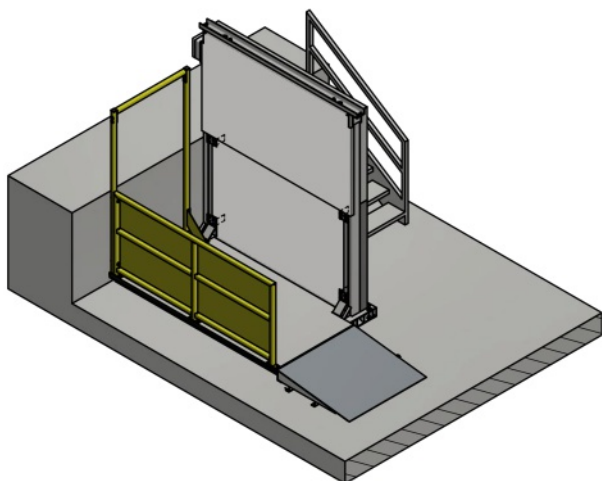
Column Lift Table SHT20



Rest position



Loading position

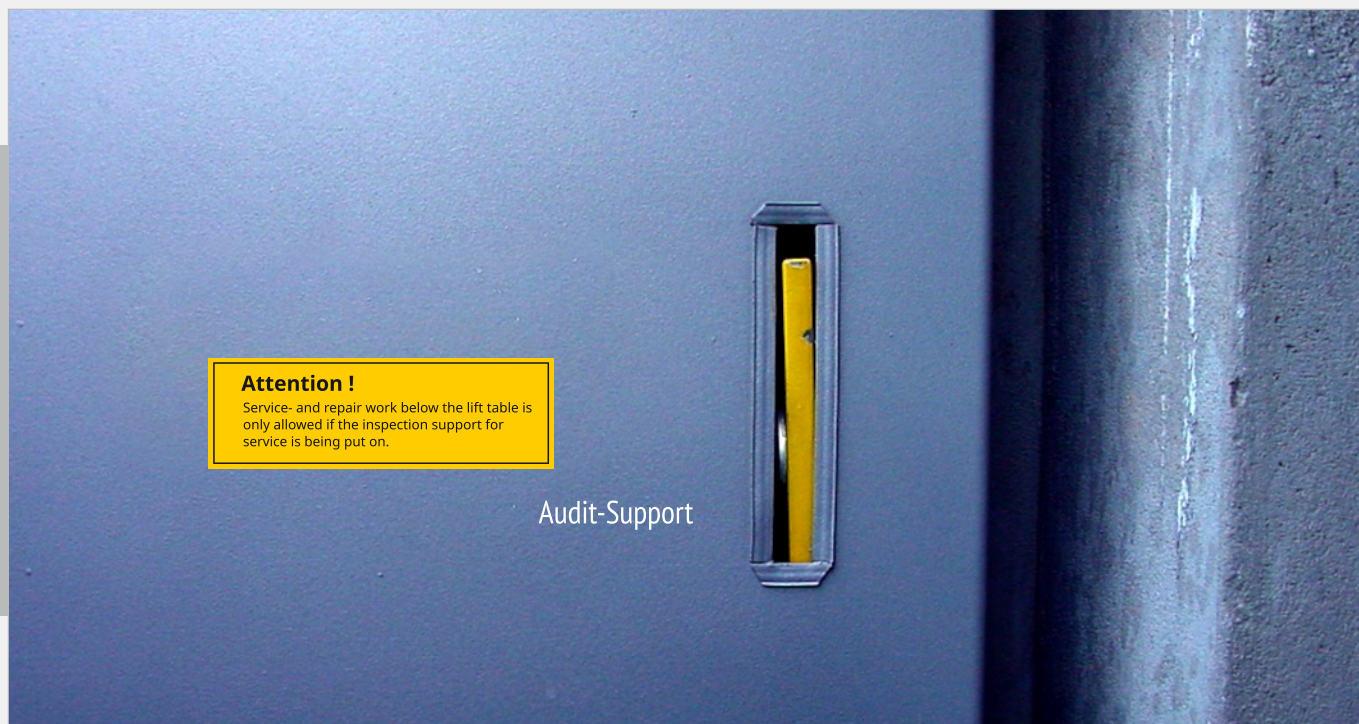


Isometric View



SHT Munich

Subject to Technical Changes



Important Notes

» Safety instructions

1. Only instructed persons are allowed to operate the lifting table.
2. Transportation of persons and climbing up the lifting table are prohibited.
3. Operate the lifting table only when there are no persons or objects within the range of movement.
4. Monitor the lifting table and the load during all lifting table movements.
5. Start the lifting table by switching on the main switch.
6. In an emergency, set the main switch to »0«; any movement of the lift table is then interrupted.
7. Service and repair work under the lifting table may only be carried out when the power supply is switched off and the inspection supports are in place.
8. In general and especially in case of malfunction, the detailed operating and maintenance instructions must be observed.

» Maintenance

1. Inspection of foot protection contact strip
2. Checking the interlock of the lifting table
3. Checking the circumferential gap between the lifting table and the pit
4. Cleaning of lifting table pit
5. Inspection, cleaning and lubrication of rollers and bearings (moving parts)
6. Inspection of hydraulics for leaks
7. Inspection of electric cables for damage
8. Checking flap and platform for cracks

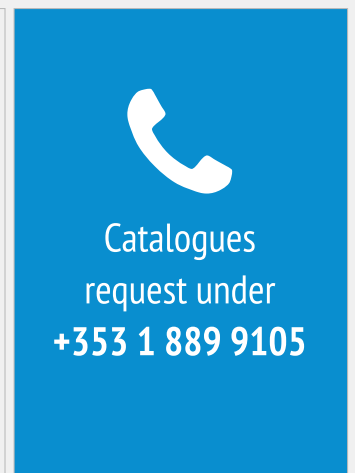
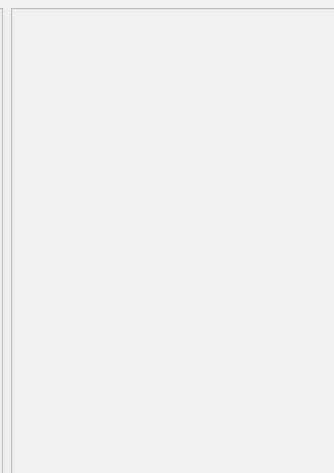
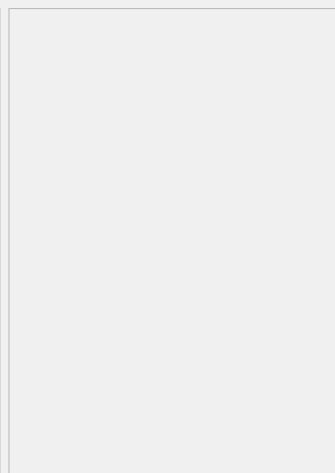
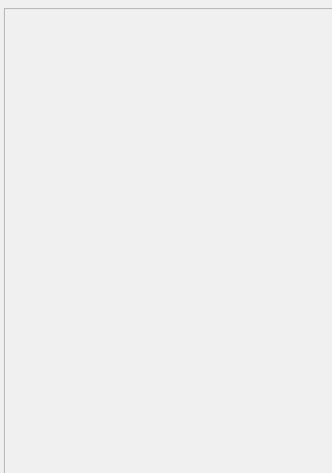
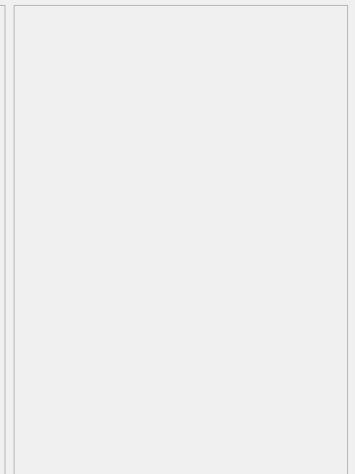
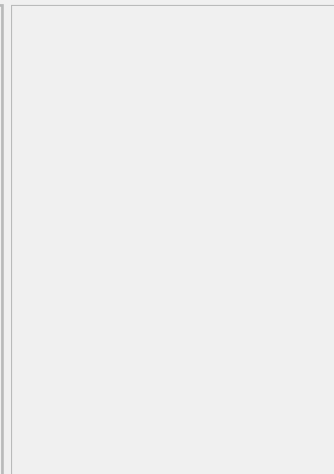
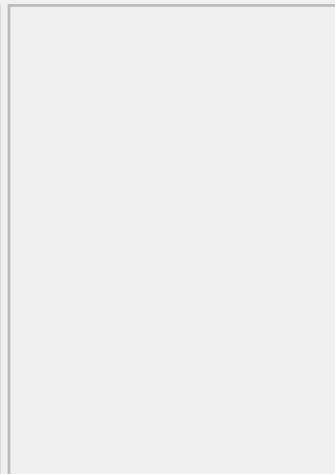
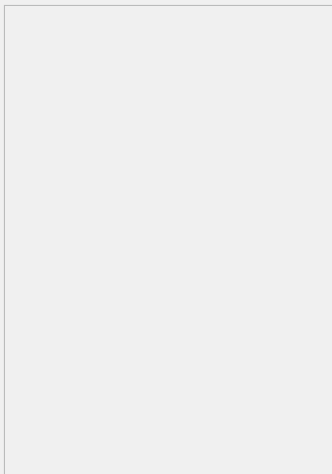
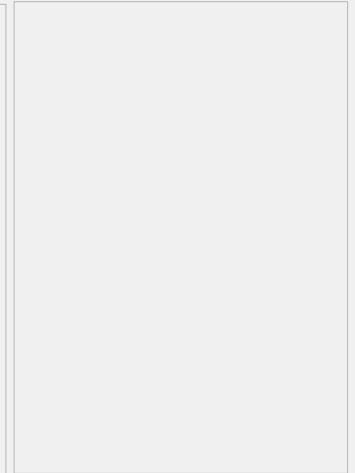
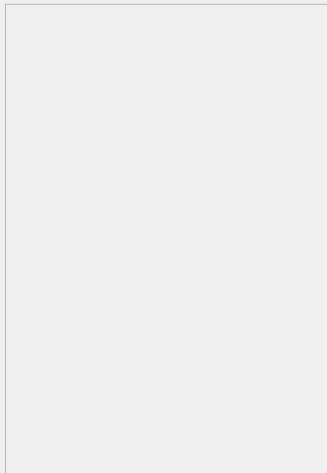
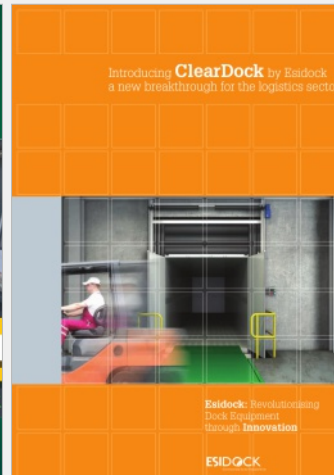
The advantages of a Column Lift Table

1. Simple assembly without time-consuming preparatory work
2. **Stable, reliable** and **low maintenance**
3. **Easy operation** for trained users
4. Minimal »**Total Cost of Ownership**« (TCO)
/ total cost of ownership

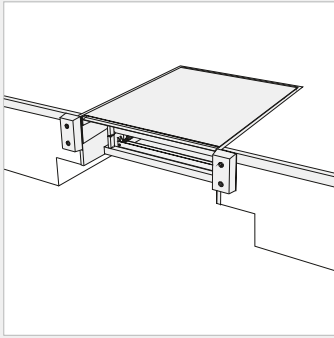
Summary of the operating instructions

» Column Lift Table type SHT(XY)

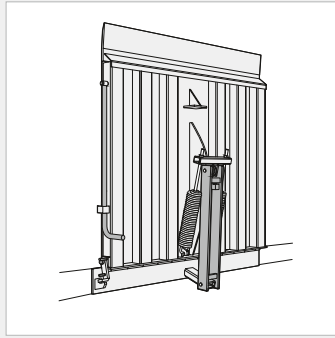
1. The detailed operating instructions must be read before the lifting table is put into operation.
2. The maximum permissible load capacity must not be exceeded.
3. The main switch must be switched on during the loading process.
4. The truck must be secured against shifting. (e.g. wheel chock).
5. The lifting or lowering process of the lifting table is initiated by pressing the Lift / Lower keys.
6. After completion of the loading process, the lift table is ready for operation again.
7. When leaving the lift table, the operator must lock it to prevent unauthorized use.
8. The movement range of the load handling attachment must be kept free of obstacles.
9. The presence of persons within the range of movement of the scissors is prohibited.
10. The load must be secured in such a way that it cannot fall from the load handling attachment.
11. It is prohibited for persons to stay within the range of movement of the scissors.
12. The lifting table and the load must be monitored during the lifting and lowering movement.
13. In case of malfunction, please notify the customer service.



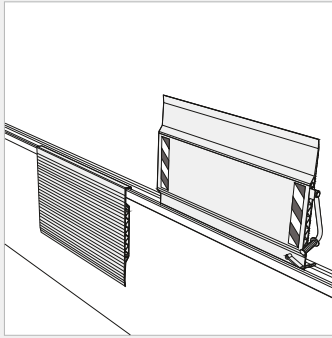
LOADING TECHNOLOGY



Stationary Docklevellers



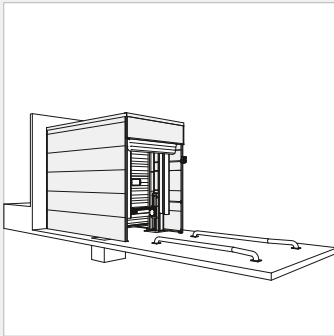
Swivel Docklevellers



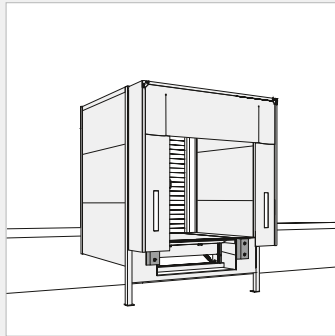
Aluminium Docklevellers

- » Buffer
- » Vehicle Wheel Guides
- » Electronic Wheel Chock
- » Traffic Lights
- » Loading Light
- » Crash Guard

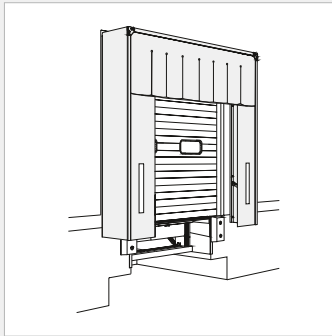
Accessories & spare parts
(also for other makes)



Colddock Loading Locks



Insulated Loading House

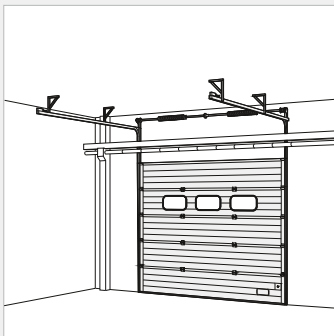


Dockshelters

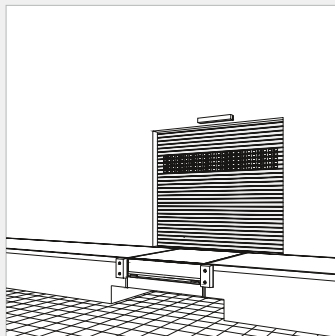
- » Hydraulic kits
- » Controls
- » Dockdrain
- » Reinforcement lamellas
- » Corner seals
- » Airbags
- » Foam pads

Accessories & spare parts
(also for other makes)

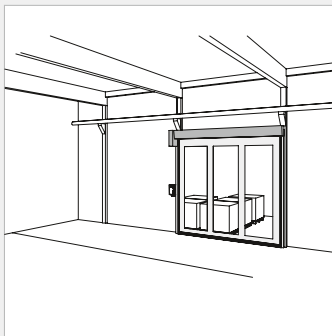
Industrial Doors



Sectional Doors



Roller Shutters

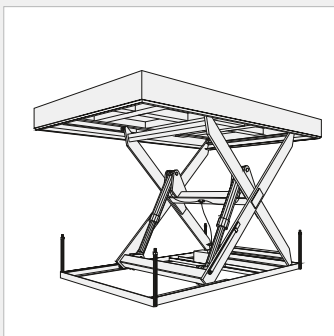


High Speed Doors

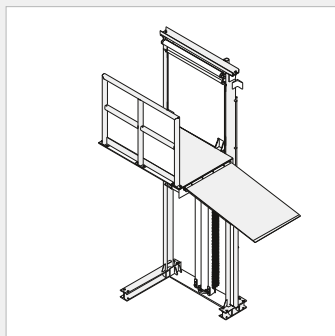
- » Suspension Ropes
- » Torsion spring
- » Window sections
- » Rollers
- » Drives
- » Door panels
- » Montage frame

Accessories & spare parts
(also for other makes)

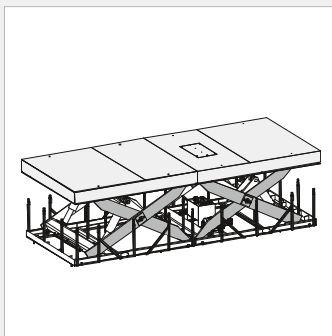
LIFTING TECHNOLOGY



Scissor Lift Tables



Column Lift Tables



Long-Load Lifts

- » Drive-over flaps
- » Mech. Roll-off safety
- » Safety railing
- » Controls
- » Platform strengthening
- » Hydraulic cylinder
- » Hydraulic power pack

Accessories & spare parts
(also for other makes)

Säulenhubtische



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