



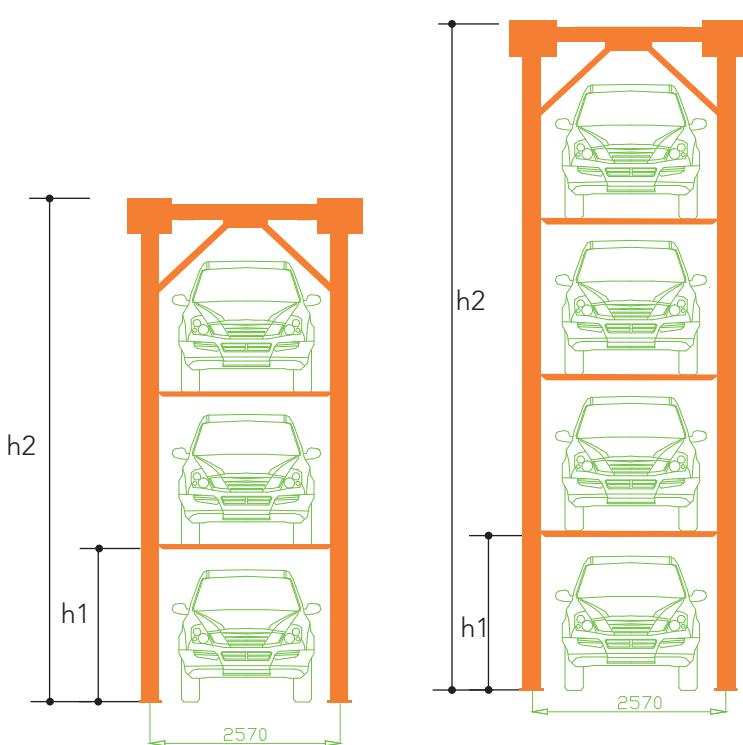
MUTRADE

Hydro-Park 3130 / 3230

High-end Four Post Stacker Parking Lift

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	Hydro-Park 3130	Hydro-Park 3230
h_1	2065(mm)	2064(mm)
h_2	6878(mm)	8980(mm)

Introduction

Hydro-Park 3130 and 3230 is the new Stacker Parking Lift designed by Mutrade, and is the most effective way to triple or quadruple the capacity of typical parking areas. Hydro-Park 3130 allows three vehicles to be stacked in a single parking space and Hydro-Park 3230 allows four vehicles. It moves only vertically, so the users have to clear the underneath levels to get the higher level car down. The posts can be shared to save land space and cost.

- Commercial grade design
- Best solution for car storage and showing
- Can be configured as a stand-alone lift or combined into rows of multiple units.
- Self-standing and self-support structure
- 3000kg rated capacity makes it possible for heavy duty vehicles.
- 2000mm usable platform width makes it much easier for parking and retrieve.
- Full width platforms with unique design on supporting points to carry maximum 5400kg load per platform.
- Front and rear wheel chocks.
- The steel ropes are 7 times as strong as the rated capacity.
- Electric key switch control for security and safety
- Automatic shut-off if operator releases the key switch
- Two-position (for Hydro-Park 3130) or three-position (for Hydro-Park 3230) fail safe locking system
- Manual lock releasing by handle
- Single hydraulic cylinder with heavy-duty steel lifting cable for smooth operation
- These lifting systems are well suited for commercial parking environments and are powered by independent electric-hydraulic pump units or a multi-unit power station pump system that can operate up to 5 lifts depending on the configuration, layout, and other technical factors
- Hydraulic overloading protection

General Parts



- 1 Longeron
- 2 Cross beam
- 3 Bracing
- 4 Platform
- 5 Post
- 6 Alarm lamp
- 7 Control panel
- 8 Locking Release Handle
- 9 Cylinder

Advantages

Heavy duty capacity

The rated lifting capacity is 3000kg (approx. 6600lb) per platform, perfect for sedans, SUVs, vans and pickup trucks.

Best choice for car storage

Can be widely used in public parking, commercial parking, car dealerships and car repairing shop.

Post sharing

The posts can be shared with another unit to be combined into rows of multiple units.

Safe locking system

Two-position (for Hydro-Park 3130) or three-position (for Hydro-Park 3230) fail safe locking system prevents platforms from falling.

Easy installation

The specially designed structure and partly pre-assembled main parts make the installation much easier.

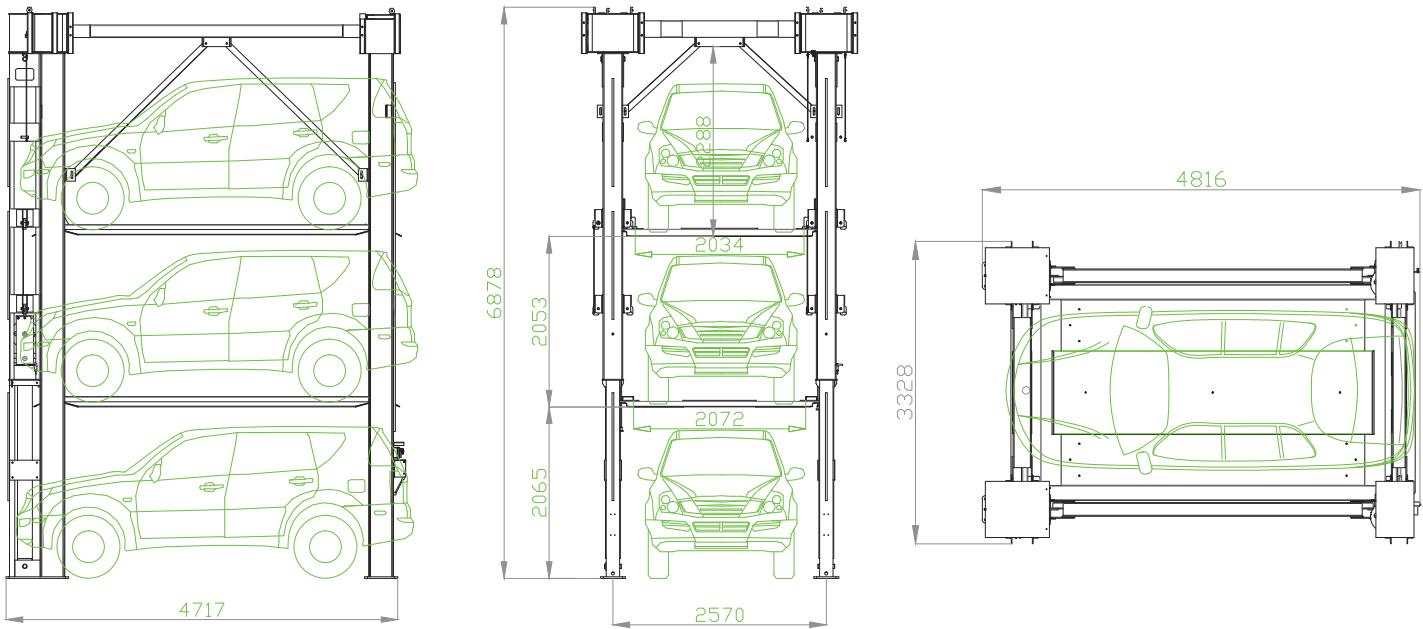


Specifications

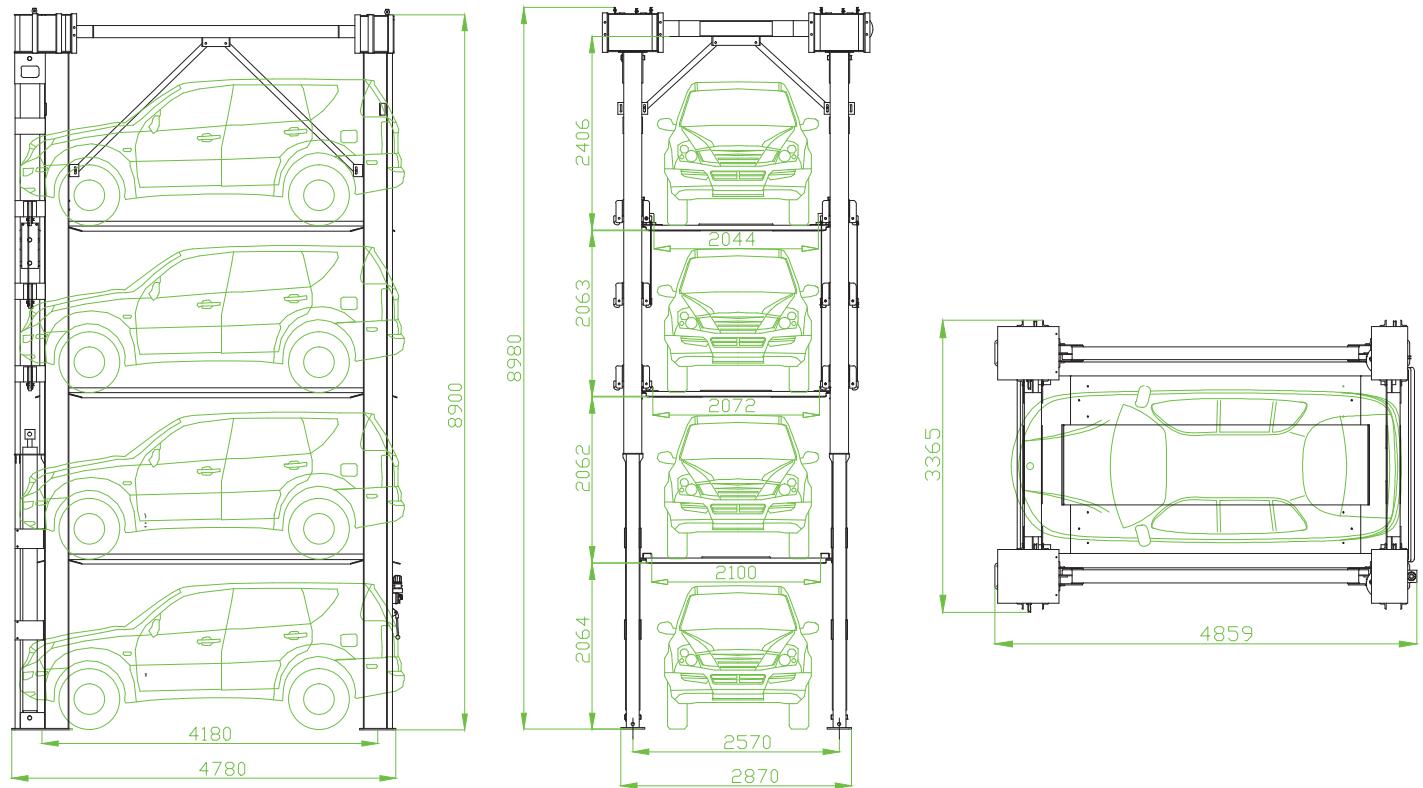
Model	Hydro-Park 3130	Hydro-Park 3230
Available vehicle parking	3 cars	4cars
Lifting speed	<90s	<150s
Rated capacity	3000kg	
Drive-through width	2050mm	
Recommend vehicle height	GF/4F<2000mm; 2F/3F<1900mm	
Operation mode	Key switch	
Lock release	Manual with handle	
Drive mode	Hydraulic cylinder + steel ropes	
Pump power	7.5Kw	
Finishing	Powder coating	
Control voltage	24V	
Power supply	208 – 450V, 3 phase, 50/60Hz	

Drawings

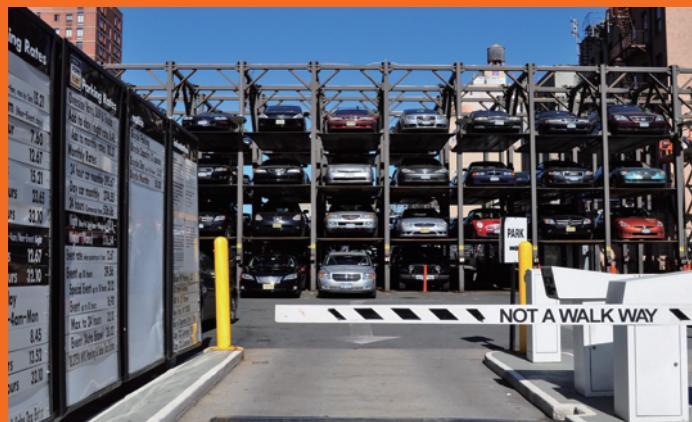
Hydro-Park 3130



Hydro-Park 3230



Public parking



Office parking



Car storage



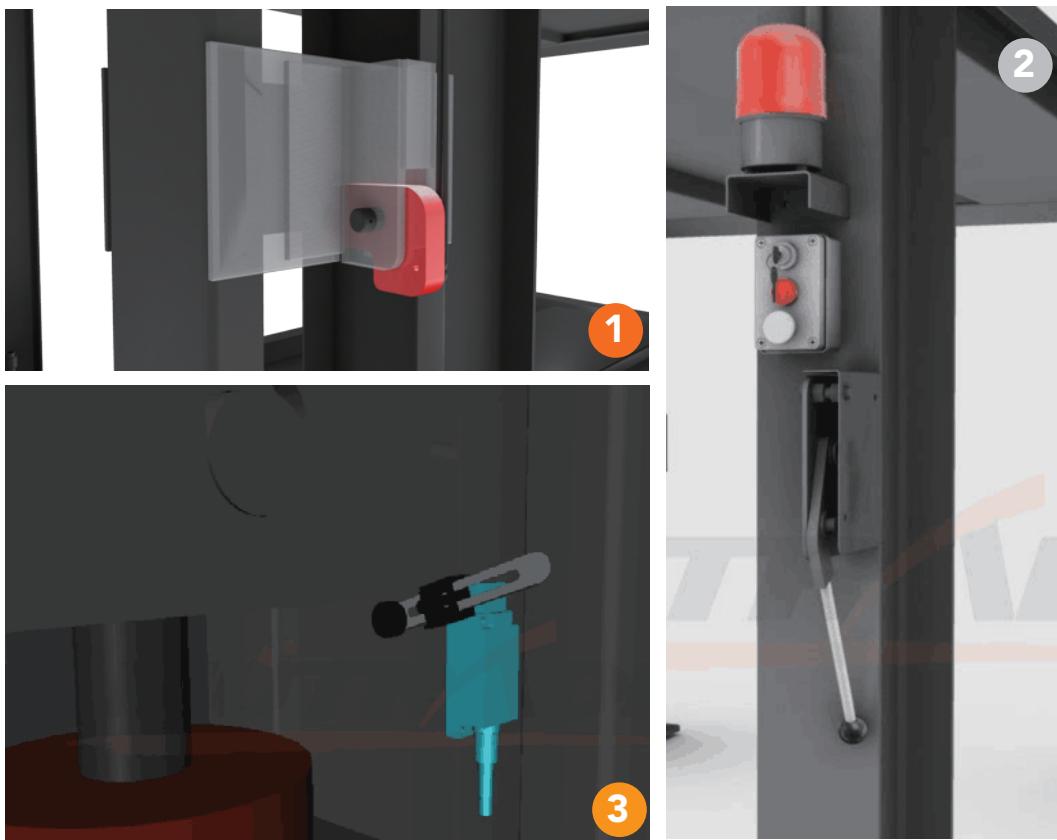
Car show



Treatment

Powder coating is applied as a free-flowing, dry powder. It is typically applied electrostatically and is then cured under heat to allow it to flow and form a "skin". It is usually used to create a hard finish that is tougher than conventional paint.



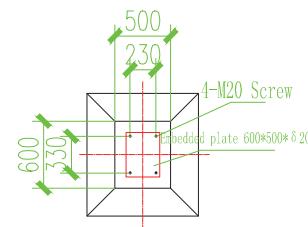
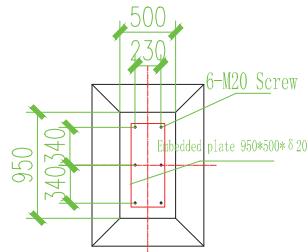
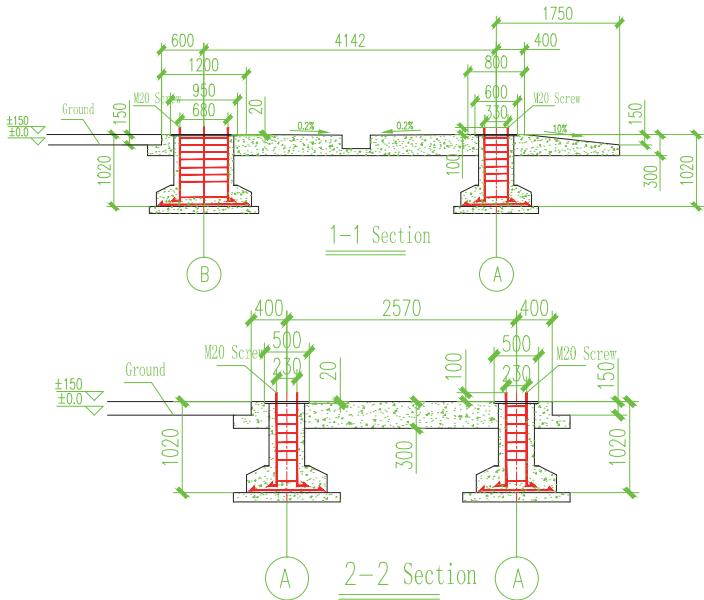
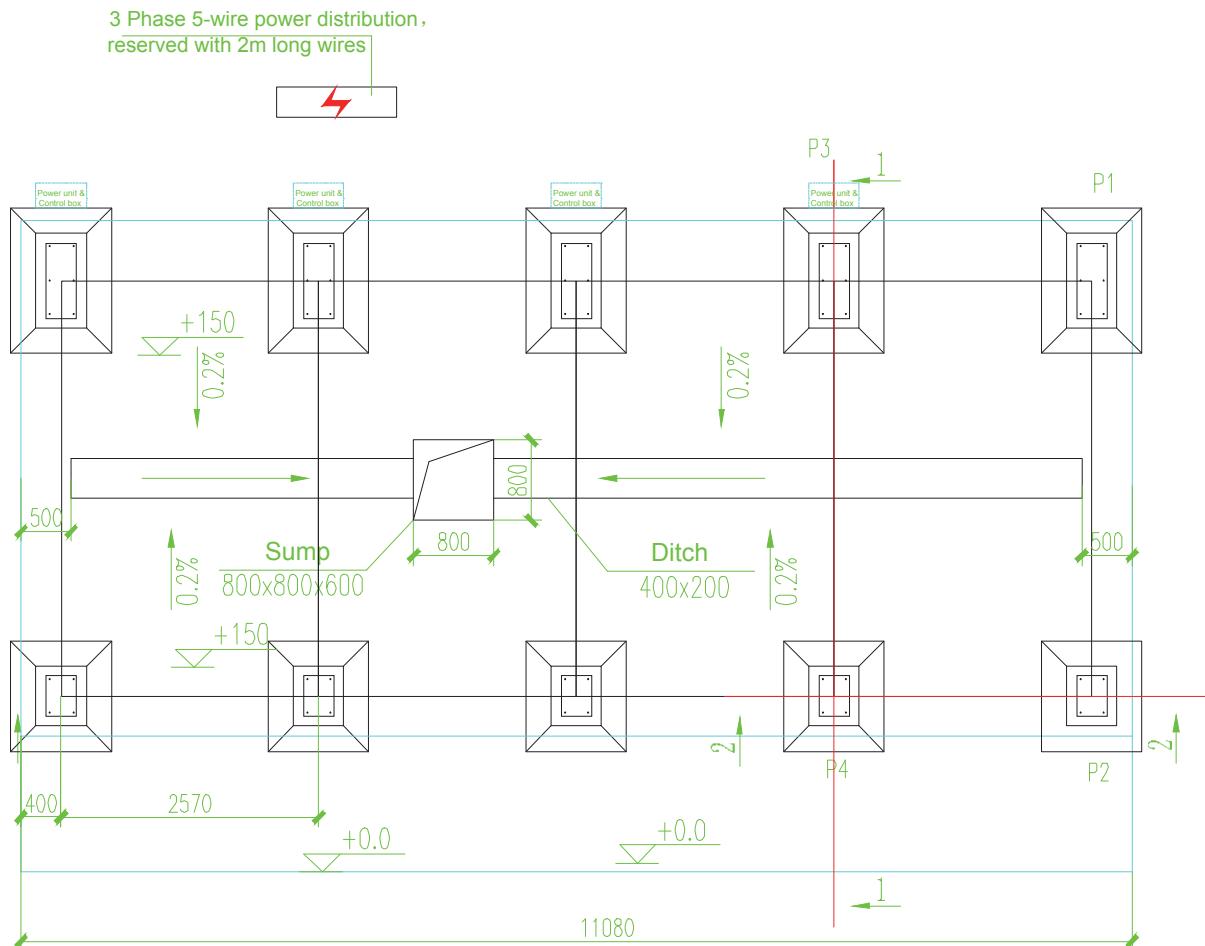


- ① Mechanical anti-falling lock.
- ②
 - Alarm light
 - Automatic shut-off key switch for security and safety
 - Emergency stop button
 - 24v safety operation
- ③ Limit switch

Packing & Container Loading



Models	Hydro-Park 3130	Hydro-Park 3230
Each 40ft HQ container for unit A	4 units	3 units
Each 40ft HQ container for unit B	5 units	4 units



Technical Requirements:

1. The datum grade for this foundation work is ground level on site. ()
2. This foundation is reinforced concrete structure, the concrete grade is C30.
3. Dig to prime soil for base of columns, and pour after compaction.
4. The error of installed position for column prefabricated parts (screws) should be less than 1mm. The screw thread should be well protected during foundation construction, it's not allowed to have concrete adhered or serious rust on screws.
5. The extra bottom part of foundation pit should be tamped layer by layer to designed elevation by 3:7 spodosol; the horizontal error of foundation pit level should be not more than 20mm.
6. The sumps should be done by owner as per local standard, and connected to sewer or other drainage system.
7. All the power supply terminals should be placed by owner as shown in above drawing, with 2m wires (3 phase 5-wire system) reserved.

Column loading point distribution diagram

Point	Loading(unit : ton)
P1	4
P2	3.3
P3	6
P4	5

Remark: 1. They are theoretical value of point loading.
2. The capacity for each platform is 3.0ton

How many cars could be parked for each unit?

3 cars for Hydro-Park 3130, and 4 cars for Hydro-Park 3230.

2. Could Hydro-Park 3130/3230 be used for parking SUV?

Yes, the rated capacity is 3000kg per platform, so all kinds of SUVs are available.

3. Can Hydro-Park 3130/3230 be used outdoor?

Yes, Hydro-Park 3130/3230 is capable for both indoor and outdoor use. The standard finishing is power coating, and hot dip galvanized treatment is optional. When installed indoor, please consider the ceiling height.

4. What is the power supply violated requested?

For the power of hydraulic pump is 7.5Kw, a 3-phase power supply is necessary.

5. Is the operation easy?

Yes, there is control panel with key switch and a handle for locking release.

Warranty

Hydro-Park 3130/3230 has a 5 years warranty on structure, and 1 year warranty for the whole machine. Within the warranty period, power units, hydraulic cylinders, and all other assembly components such as slip plates, cables, chains, valves, switches etc, are warranted for three years against defects in material or workmanship under normal use. MUTRADE shall repair or replace at their option for the warranty period those parts returned to the factory freight prepaid which prove upon inspection to be defective. MUTRADE will not be responsible on any labor costs unless pre-agreed. Mutrade will not responsible for the modification or upgrade of the product from the client unless pre-agreed.

These warranties do not extend to...

- defects caused by ordinary wear, abuse, misuse, shipping damage, un-proper installation, voltage or lack of required maintenance;
- damages resulting from purchaser's neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) and/or other accompanying instructions supplied;
- normal wear items or service normally required to maintain the product in a safe operating condition;
- any component damaged in shipment;
- other items not listed but may be considered general wear parts;
- damage caused by rain, excessive humidity, corrosive environments or other contaminants.
- any change or modification made to the equipment without pre-agreed.

These warranties do not extend to any cosmetic defect not interfering with equipment functionality or any incidental, indirect, or consequential loss, damage, or expense that may result from any defect, failure, or malfunction of a MUTRADE product or the breach or delay in performance of the warranty.

This warranty is exclusive and in lieu of all other warranties expressed or implied.

MUTRADE reserves the right to make design changes or add improvements to its product line without incurring any obligation to make such changes on product sold previously.

Warranty adjustments within the above stated policies are based on the model and serial number of the equipment. This data must be furnished with all warranty claims.

Important notice

About the customized size:

If the size of the platform need to be customized based on customer require, difficulties might arise when entering or exiting the cars on the parking units. This depends on car type, the access and the individual driving behavior.

Operating device:

The position of the operating device depends on the project (switch post, house wall). From bottom of the shaft to the operating device an empty pipe DN40 with taut wire is necessary.

Temperature:

The installation is designed to operate between +5°and +40°C. Atmospheric Humidity: 50% at +40°C. If the lol circumstances differ from the above please contact MuTrade.

Illumination:

Illumination has to be considered acc. to local requirements by client. Illumination in the shaft for maintenance is required to be minimum 80 Lux.

Maintenance:

Regular maintenance by qualified personnel can be provided by means of an Annual Service Contract.

Protection against corrosion:

Independent of a maintenance workings has to be carried out acc. to MuTrade Cleaning and Maintenance Instruction regularly. Clean up galvanized parts and platforms of dirt and road salt as well as other pollution (corrosion danger)! Pit must be always ventilated well.

Project Reference

