

MUTRADE
MUTRADE INDUSTRIAL CORP.



Hydro-Park 1027

Single Post Parking Lift

CE This parking system is compliant to:
- EC Council Directive 2006/42/EC Machinery
- DIN EN 14010

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Please notice that all the specification and technical details quoted within this catalog/datasheet/installation manual maybe out of date or have minor differences with our standard equipment from time to time.
Our company reserve the right to change technical details in the description, information and illustrations in this documentation.
All the specification and technical details will be subjected to the drawing confirmed by the sales contract.



> Introduction

When you need to significantly improve existing storage capacity of your garage with a minimal footprint, the answer could be single post. The Hydro-Park 1027 is a powerful single post parking lift with a load capacity of 2700kg/6000lbs, which can accommodate most cars, SUVs and pickups. The provision of automatic safety locks stops the platform firmly at 10 different heights, and prevents the lift from free fall in case of power outage or mechanical failure. It has the advantages of small footprint, easy installation, convenient operation and premium safety, perfect choice for private garages or commercial buildings that needs to utilize less space.

Features

- For dependent parking
- Free opening of car doors
- Single unit for 2 cars
- Platform load capacity: 2700kg
- Ground car height: 2000mm
- Usable platform width: 2100mm
- Free access at two directions
- Mechanical locks bring superior safety at different heights
- Automatic lock release with key switch
- 24v control voltage avoids electric shock
- Low maintenance cost
- Surface treatment: powder coating with Akzo Nobel powders

General Parts



- 1 Post
- 2 Galvanized waving plates
- 3 Ramp
- 4 Dynamic anti-fall locks
- 5 Base
- 6 Electric box
- 7 Key switch
- 8 Power pack
- 9 Hydraulic cylinder (inside post)
- 10 Limit switch (inside post)

Advantages

Superior display capabilities

Out-of-the-way single post, perfect for display and storage.

Super strong structural design

Large load capacity of 2700kg/6000lbs, accommodating most cars, SUVs and pickups.

Flexible installation

Drive-thru platform design with double ramps enables free entrance at both front & back, result in flexible installations in either left or right side of the garage.

Comfort parking on ground

Max Platform height 2100mm, allowing another high SUV on the ground.

Multiple anti-fall locks

10 locking positions at different heights enable you stop the platform at any height you need.

Dynamic safety locks

Precision-engineered lock system automatically engages the lock for premium safety during entire lifting process.

Precision production

Accurate laser cutting improves the accuracy of the parts, and robotic welding makes the weldment stronger and more beautiful, thus more safety.

Comfort walking

The smart platform profile sheets offer comfortable walking experience even for high heels, free from slots or deep groove.

Rich color options

Bespoke the lift color and blend it in with your garage or environment.

Easy installation

Simple and modular structural design, minor transmission parts have been pre-assembled in factory. Install on standard concrete floor using anchor bolts.

Hydro-Park

1027

Specifications

> General

Model Number	Hydro-Park 1027
Lifting capacity	2700kg
System length	4148mm
System width	2679mm
Platform usable width	2100mm
System height	3331mm
Max ground vehicle height	2000mm
Drive mode	Hydraulic cylinder + chain
Hydraulic pump power	2.2kw
Lifting time	45s
Operation	Key switch
Lock release	Electric auto release
Control voltage	24v
Power supply	110-480v, 1/3P, 50/60hz
Finishing	Powder coating

Note: Mutrade reserves the right to change the specifications without further notice. We reserve the right in the course of technical improvement to apply new technologies, processes or standards in fulfillment of their obligations.

Safety devices

Limit switch

Dynamic anti-fall lock

Emergency stop button

Buzzer

Pressure relief valve

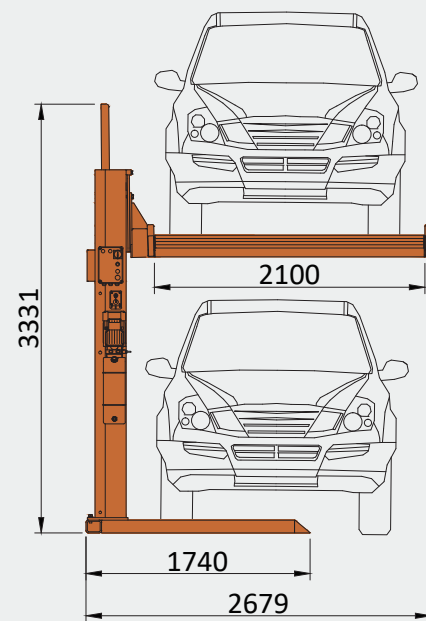
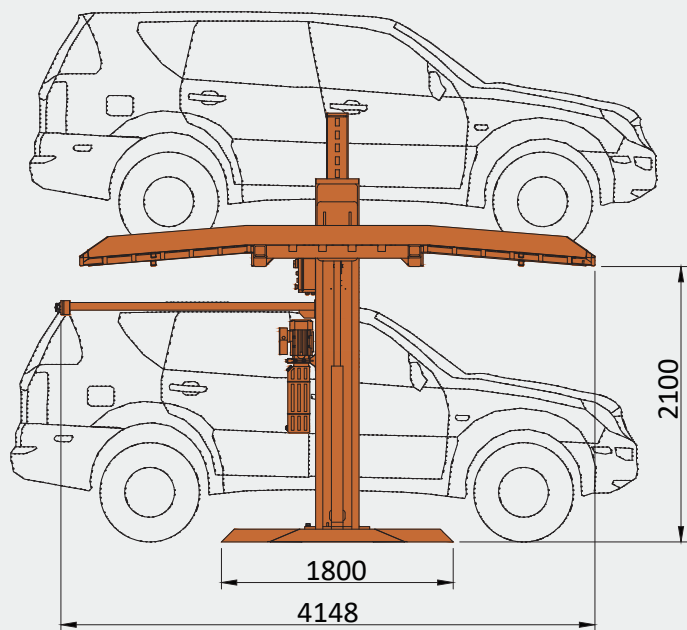
Self-restore key switch

24v electric control system

Overload protection



Dimensions



Note: Mutrade reserves the right to construction or model modifications and/or alterations.

Scope of application

Suitable for residential buildings, office buildings and business premises, hotels.

Only for long-term users that have been instructed on how to use the system.

For frequently changing users (e.g. for office, hotel and business premises or similar):

- Only parking on top platform.
- Performance of technical system adjustments in necessary.
- Consultation with Mutrade is mandatory.

Noise protection

- Insulation figure of the construction of min. $R_w = 57$ dB
- Walls which are bordering the parking systems must be done as single wall and deflection resistant with min. $m = 300$ kg/ m²
- Solid ceiling above the parking systems with min. $m = 400$ kg/ m²

At differing constructional conditions additional sound absorbing measures are to be provided by the customer.

The best results are reached by separated sole plates from the construction.

Increased noise protection:
If increased noise protection must be provided planning has to be confirmed on a project basis by Mutrade.

Temperature

- System operating range: -10 to +40C (with unloading platforms lowering speed is reduced if less than +5C).
- Humidity: 50% at +40C
- In the event of changes to system conditions please consult with Mutrade.

Parking

- Drive the car forward or backward onto the center of the platform. Collision with the control arm or platform beams shall be avoided.
- Put the brake on after vehicle parked on the targeted position to avoid any accidental movement.
- Open the car door carefully to avoid any collision. Pay attention to the waving plates

- and side beams when stepping out the platform.
- Turning the key to UP to lift the car to the appropriate position.
- Before another vehicle parked under platform, check the vehicle height and clearance to the platform.

Railings

Railings mandatory:

- When exceeding the permissible, country-specific construction gaps and opening.

Safety fences mandatory:

- When walkways resp. traffic passageways running alongside or behind the lift and / or systems positioned along border walls.
- Safety fences according to ISO 13857 to be performed by the customer (also during the construction phase).

Maintenance

- Mutrade and all the Mutrade partners abroad provide an installation and customer service network.
- Regular, annual maintenance is provided subject to the stipulation of a maintenance agreement.

Protection against corrosion

- All operations listed in the Mutrade Cleaning and Maintenance Instructions are to be performed regularly. (independently of maintenance operation)
- Zinc-plated parts, components and platforms are to be kept clean of dirt, road-salt and any other debris (due to corrosion hazards).
- Always keep the garage well ventilated and deaerated.

Surface protection

- Please consider the information on surface protection!

Lighting

- Sufficient lighting of the driving aisle and of the parking places must be performed by the customer.

Fire safety

All the safety requirements and all mandatory equipment (fire extinguisher and fire alarm system, etc.) must be performed by the customer.

Construction alternations and /or modifications

- The right to construction or model modifications and/or variations is hereby reserved.
- The right to any subsequent part modification and/or variation and amendments in procedures and standards due to technical and engineering progress or due to environmental regulation changes is also hereby reserved.