CAR STACKERS EVOLUTION

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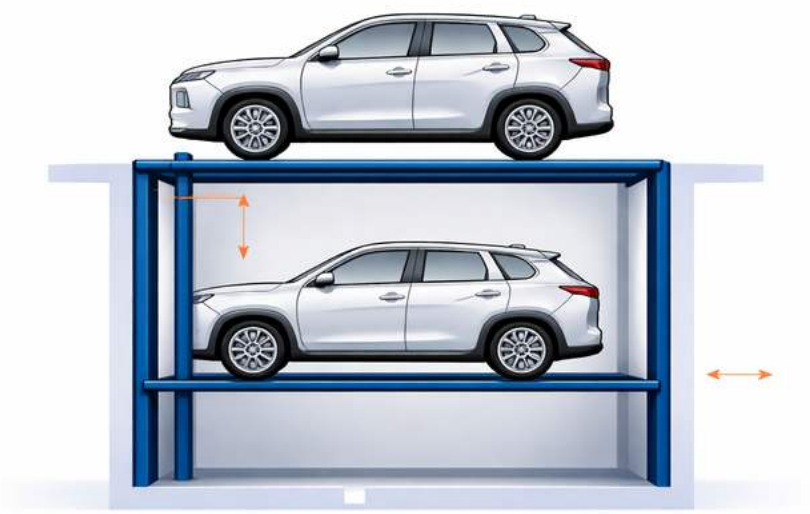
CHATÉAU PARK

PremiumParkingSystemwithPit–TwoLevelParking System



OVERVIEW

- The Chateau park is Car Stackers Evolution premium parking system.
- Two level parking system with pit.
- Single system for two parking positions or double system to provide four parking positions.
- Operated as a dependent or independent parking system.
- Standard capacity 2000kg that can be upgraded to 2600kg per parking position.
- No visible lifting columns when the system is lowered.
- Platform flush with concrete slab.
- Cornered mounted column positions to minimise door damage.
- Easy access to vehicle.
- Depending on the clear ceiling height the parking system can be operated as a dependent or independent car stacker.

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GENERAL DESCRIPTION

- Two level parking system with pit.
- Single system for two parking positions or double system to provide four parking positions.
- Standard capacity 2000kg that can be upgraded to 2600kg per parking position.

APPLICATION

- Multi-residential developments
- Single-residential dwellings
- Mixed use developments
- Internal or external use

Platform raised

Platform lowered

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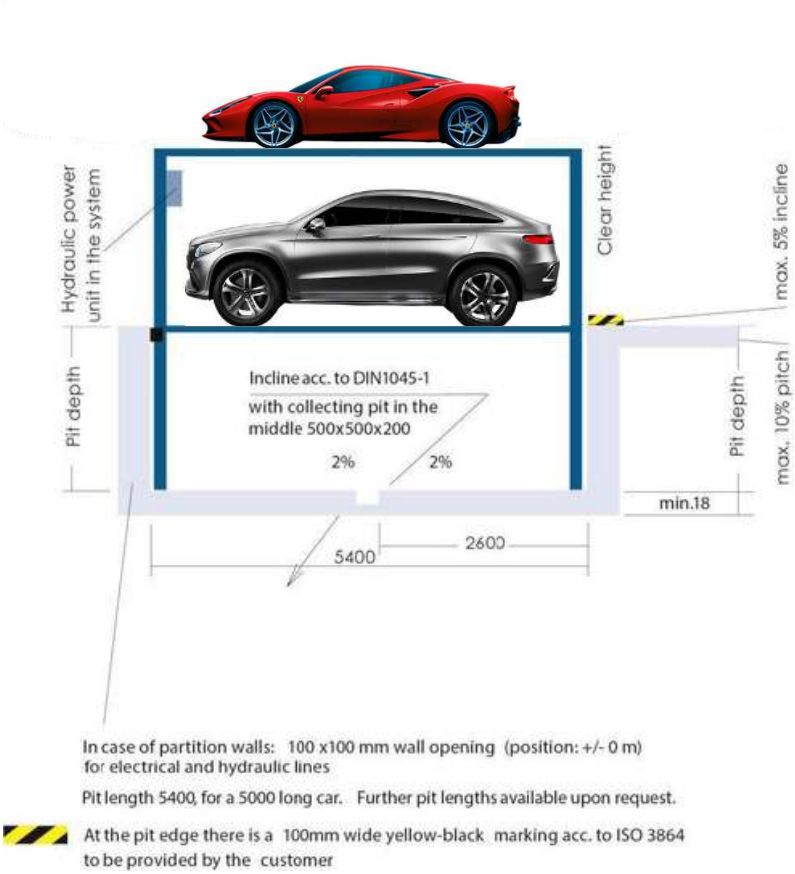
KEY DIMENSIONS



REQUIREMENTS

Standard system length: To suit vehicles up to 5,200mm. Pit length to be 5,450mm. and a maximum weight of 2000kg Platforms for vehicles outside of this scope would need to be discussed with Car Stackers Evolution.

Vehicle Height:
The total height of the vehicle including roof racks and aerial must be considered in car height.

Concrete Requirement:
Foundation and wall structure below the drive-level must be made of concrete, concrete quality at least: C25/30.

PIT FRONT DEPTH	PIT REAR DEPTH	CAR HEIGHT (LOWER)	CEILING HEIGHT	CAR HEIGHT (UPPER)
2,100	2,100	1,750	3,500	1,550
2,300	2,300	1,950	3,700	1,550
2,600	2,600	2,250	4,000	1,550

All measurements are in mm

Additional items to note: Power requirements: Builder to provide a 3-phase x 25A Lockable Isolator Supply Line: (3PH + N + PE) with marked wire and protective earth conductor
AMP: 25A
Voltage: 415V

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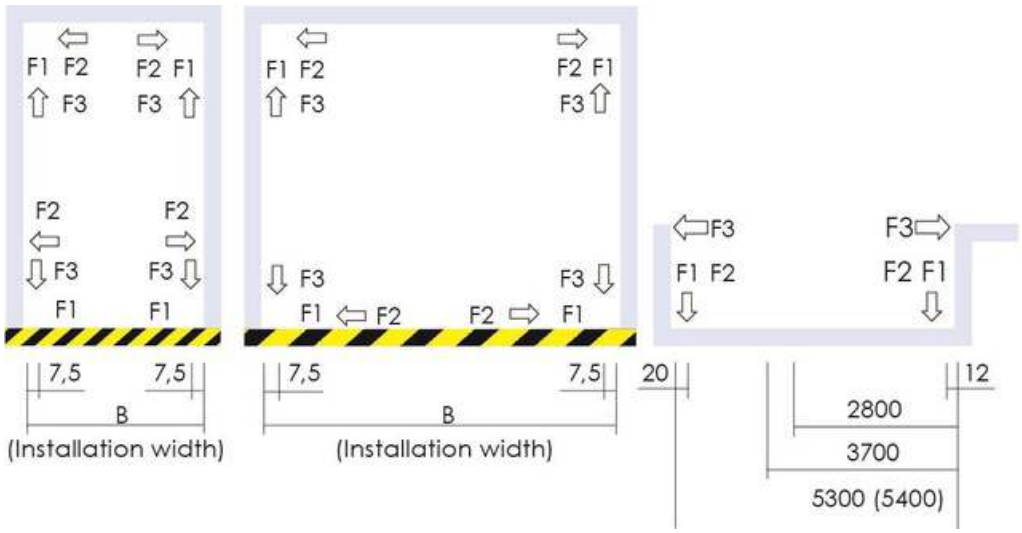
Load Forces

Ensure the below load forces are taken into account in the construction design.

Load forces are distributed to lower concrete slab via the base plates minimum area of 1500mm2.

Base plate fastening using heavy duty masonry anchors with a depth no less than 150mm.

Foundation and wall structure below the drive-level must be made of concrete, concrete quality at least: C25/30



LOADS F	SINGLE PLATFORM 2000KG	DOUBLE PLATFORM 2000KG	SINGLE PLATFORM 2600KG	DOUBLE PLATFORM 2600KG
LF1	21.1 kN	36.1 kN	29.1 kN	46.1 kN
LF2	7.1 kN	7.1 kN	7.1 kN	7.1 kN
LF3	7.1 kN	7.1 kN	7.1 kN	7.1 kN

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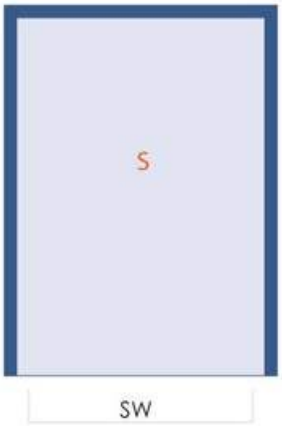
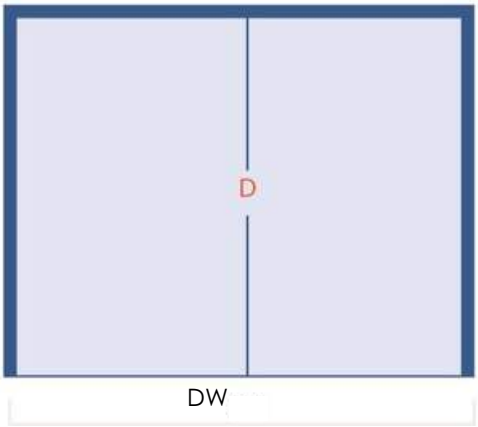
Installation & Pit Information

Single Platform for 2



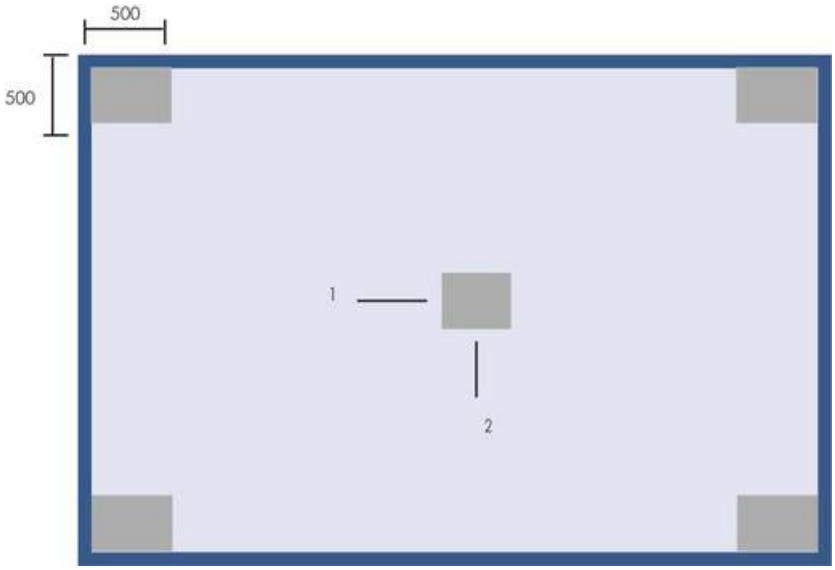
Single Platform for 4



CLEAR PLATFORM WIDTH	INSTALLATION PIT WIDTH (SW)
2,400	2,750
2,500	2,850
2,600	2,950

CLEAR PLATFORM WIDTH	INSTALLATION PIT WIDTH (DW)
2 X 2,400 = 4,800	5,150
2 X 2,500 = 5,000	5,350

PIT FLOOR LAYOUT



1. Sump put with pump. Surrounding surfaces' incline to the middle approx. 2%
2. Sump pit to connect to the existing drainage system

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OPTIONAL EXTRAS

Single platform
with
Chequer plate finish

Double platform
with
Chequer plate finish

Concrete
Paver

Synthetic
Grass

Concrete
Paver

Outdoor application with finishing infilled on top platform
Note: Top infilled sub straight weight to be detected from overall lifting capacity.

Regular service and maintenance is recommended on your machine. Service Division Australia offer periodical service and maintenance agreements.

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IMPORTANT NOTES

Electrical installation
Prior assembly the customer must provide a lockable main control switch out of the system/pit close to the power unit. Electrical services to be provided by the customer to required specification.
Fire protection:
The customer must agree upon the fire protection requirements and the required measures with the local fire department.
EG-Machinery directive:
Our parking systems comply with the EG-Machinery directive and are CE certified according to DIN EN 14010:2003 and meet AS5124:2017
Safety of machinery - Equipment for power driven parking of motor vehicles - Safety and EMC requirements for design, manufacturing, erection and commissioning stages (EN 14010:2003, MOD)

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