

DUPLÉ EURO

Premium Dependent Two Level Above Ground Parking System



OVERVIEW

- The Duplé Euro is a dependent parking system on 2 levels
- Our unique lifting column technology allows greater access to the entry of the parking bay /platform
- Cantilevered platform to maximise car bay access
- Easy access to vehicle doors
- Standard capacity 2000kg that can be upgraded to 2300kg or 2600kg per parking position.
- Platform widths of 2300mm – 2700mm
- Modular construction and depending on site conditions parking system maybe able to be extended



ABOUT

GENERAL DESCRIPTION

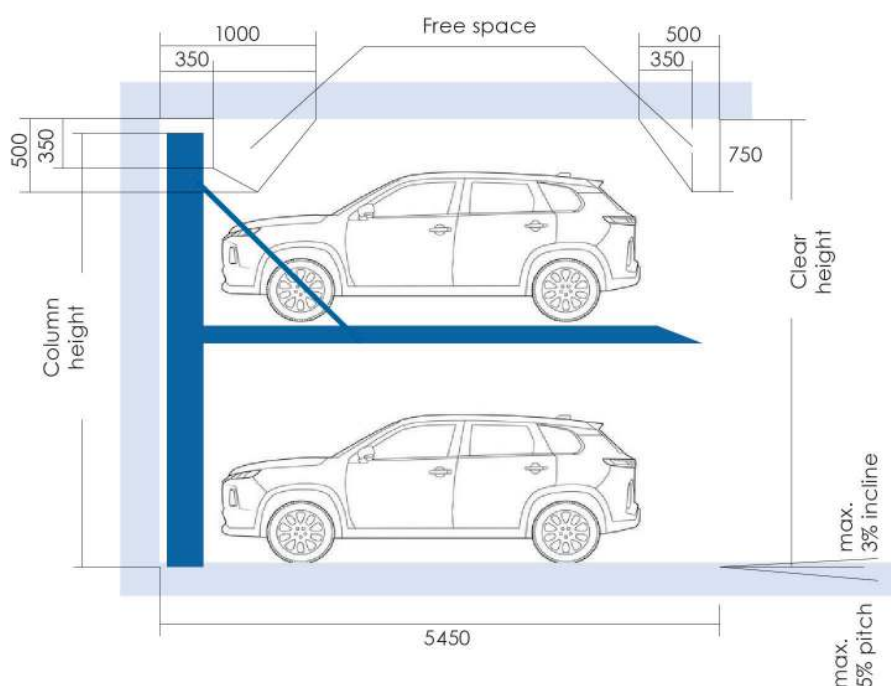
- Dependent parking system on 2 levels
- The lower vehicles must be removed when lifting platform is lowered.
- System lifting columns are located at the rear to allow easy access to entry of the parking bay / platform.

APPLICATION

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



KEY DIMENSIONS



REQUIREMENTS

Standard system length:

To suit vehicles up to 5,000mm. System length to be 5,450mm. With a maximum weight of 2000kg. Platforms for vehicles outside of this scope would need to be discussed with Car Stackers International.

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.

CLEAR HEIGHT	COLUMN HEIGHT	CAR HEIGHT BELOW	CAR HEIGHT ABOVE
3,200	3,100	1,500	1,500
3,330	3,200	1,600	1,500
3,450	3,330	1,750	1,500
3,600	3,450	1,900	1,500
3,850	3,700	2,100	1,500
3,950	3,800	2,200	1,500
4,100	4,000	1,800	2,100
4,500	4,400	2,000	2,300
4,900	4,800	2,220	2,500

All measurements are in mm

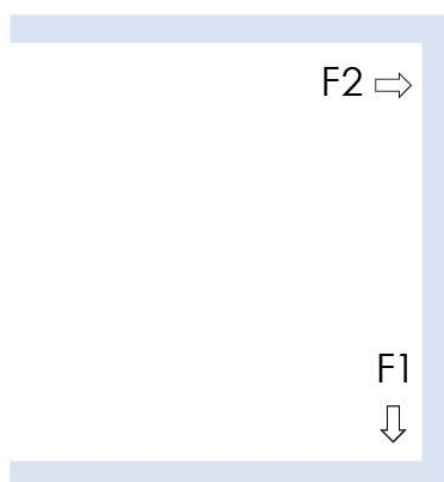
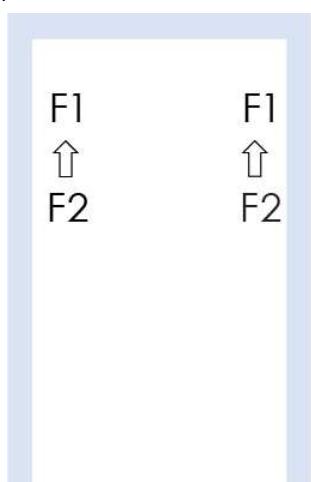
Additional items to note:

Power requirements: Builder to provide a 3-phase x 16amp Lockable Isolator
Supply Line: (3PH + N + PE) with marked wire and protective earth conductor
AMP: 16amp
Voltage: 415V



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

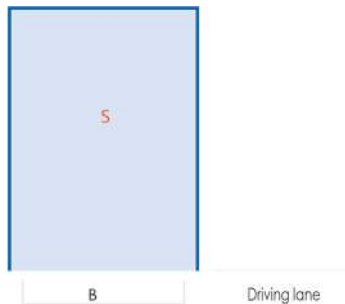


LOAD PER PARKING SPACE	VERTICAL LOADS	HORIZONTAL LOADS
	F1	F2
2,000KG	16.1 kN	10.1 kN
2,300KG	18.1 kN	12.1 kN
2,600KG	20.1 kN	14.1 kN

MEASUREMENTS

PARTITION WALLS

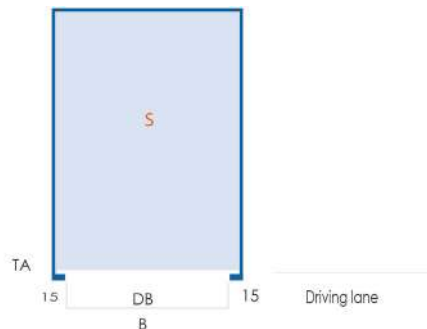
Single System for 2 Cars



CLEAR PLATFORM WIDTH	INSTALLATION WIDTH (B)
2,300	2,500
2,400	2,600
2,500	2,700
2,600	2,800
2,700	2,900

INSTALLATION IN GARAGE

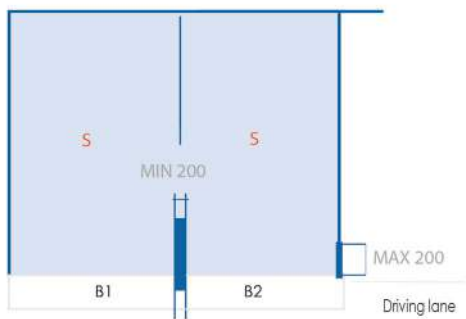
Single System for 2 Cars



CLEAR PLATFORM WIDTH	INSTALLATION WIDTH (B)	DRIVE IN WIDTH (DB)
2,300	2,500	2,300
2,400	2,600	2,400
2,500	2,700	2,500
2,600	2,800	2,600
2,700	2,900	2,700

BUILDING PILLARS IN FRONT

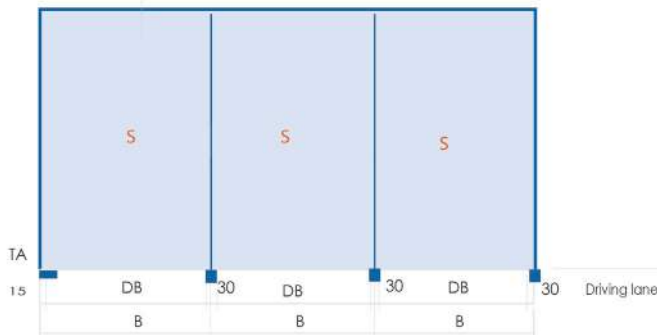
Single System for 2 Cars



CLEAR PLATFORM WIDTH	B1	B2
2,300	2,500	2,500
2,400	2,600	2,600
2,500	2,700	2,700
2,600	2,800	2,800
2,700	2,900	2,900

GARAGE WITH SINGLE & DOUBLE GATES

Single System for 2 Cars



CLEAR PLATFORM WIDTH	INSTALLATION WIDTH (B)	DRIVE IN WIDTH (DB)
2,300	2,500	2,300
2,400	2,600	2,400
2,500	2,700	2,500
2,600	2,800	2,600
2,700	2,900	2,700



MAINTENANCE

SERVICE & MAINTENANCE

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



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)

