

*Levanta*PARK

TECHNICAL SPECIFICATION
SEMI-AUTO BI-DIRECTIONAL
MAX 1



SMART SOLUTIONS FOR VEHICLE PARKING AND CAR STORAGE

Bi Directional systems optimize the height of any car parking space by adding horizontal motion to the car stacker equipment. Platforms at ground level will move left or right to allow lower level platforms to reach ground level.

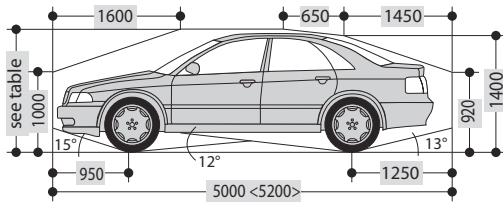
The MAX 1 Bi directional system offers the maximum clearance for extra tall vehicles and the maximum comfort to the users thanks to the availability of infrared control and automatic gates. MAX 1 incorporates a pit and can operate effectively where carpark ceiling heights are as low as 2100mm.

SPECIFICATION TABLE

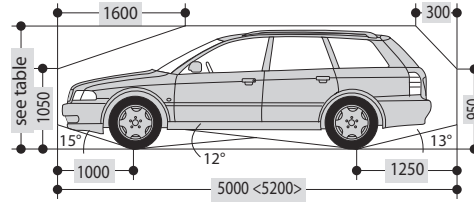
SEMI-AUTO BI-DIRECTIONAL	No. of parking spaces	H	DH**	Car Height		Width	Weight	Wheel Load
				Ground Floor	Upper Floor			
MAX 1-175*	Min. 3 to max. 19 vehicles	See detail X on page 3	***	2000	1500	1.90 m	max. 2000 kg	max. 500 kg
MAX 1-200	Min. 3 to max. 19 vehicles	See detail X on page 3	***	2000	1750	1.90 m	max. 2000 kg	max. 500 kg

* = standard type ** = without car *** = in accordance to local requirements

Standard passenger car



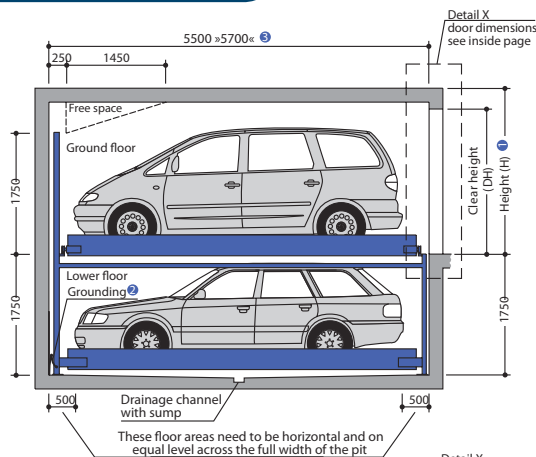
Standard station wagon



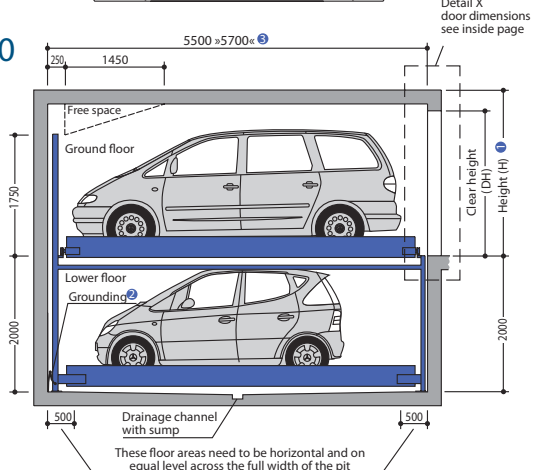
Standard passenger cars are vehicles without any sports options such as spoilers, low-profile tyres etc.

Standard Type MAX 1

MAX1-175



MAX1-200



Notes

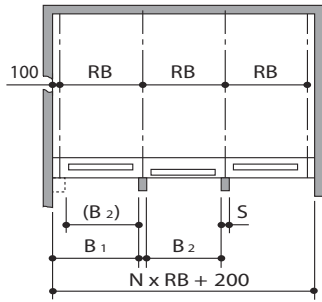
- Changes in height H change the car heights on the upper floor or the corresponding clearances on the ceiling.
- Potential equalization from foundation grounding connection to system.
- Tolerances for the evenness of the carriageway (floor) must be strictly complied with in accordance with AS3600-2100 concrete structures.
- Special model: For cars up to a length of 5.20 m please note: Pit length 5.60m, max. authorized loading 2500 kg (wheel load max. 625 kg), usable platform width 2.50 - 2.70 m.
- On the standard version without door, a 100 mm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the access area to mark the danger zone in compliance with the DIN EN 14 010 (see »Width Dimensions - Standard without Door« page 3 - 4).

MEASUREMENTS/DIMENSIONS ARE IN MILLIMETER (MM)

Widths – Detail X for garages with sliding doors (Standard)

Sliding door behind columns

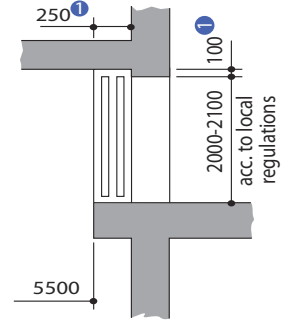
Columns per each grid unit (S = 200)



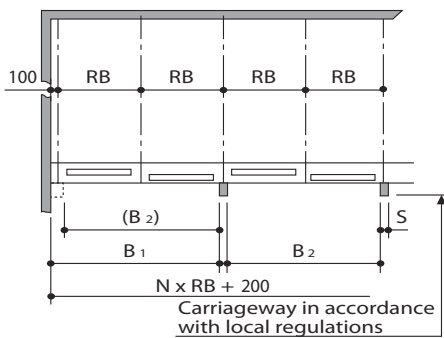
usable platform width	Grid unit width RB**	B1	B2
2300 *	2500	2500	2300
2400	2600	2600	2400
2500	2700	2700	2500
2600	2800	2800	2600
2700	2900	2900	2700

* = standard width (parking space width 2.30 m)
** = Grid unit width must strictly conform to dimensions quoted!

Detail X



Columns every second grid unit (S = 200)



usable platform width	Grid unit width RB**	B1	B2
2300 *	2500	5000	4800
2400	2600	5200	5000
2500	2700	5400	5200
2600	2800	5600	5400
2700	2900	5800	5600

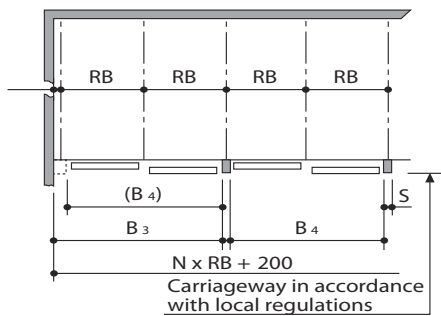
* = standard width (parking space width 2.30 m)
** = Grid unit width must strictly conform to dimensions quoted!

Sliding door between columns

Columns per each grid unit

NOT AVAILABLE

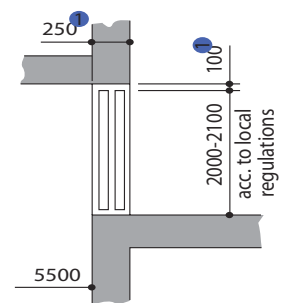
Columns every second grid unit (S = 200)



usable platform width	Grid unit width RB**	B3	B4
2300 *	2500	5000	4800
2400	2600	5200	5000
2500	2700	5400	5200
2600	2800	5600	5400
2700	2900	5800	5600

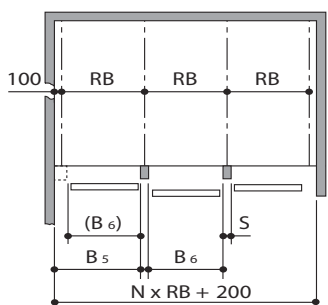
* = standard width (parking space width 2.30 m)
** = Grid unit width must strictly conform to dimensions quoted!

Detail X



Sliding door in front of columns

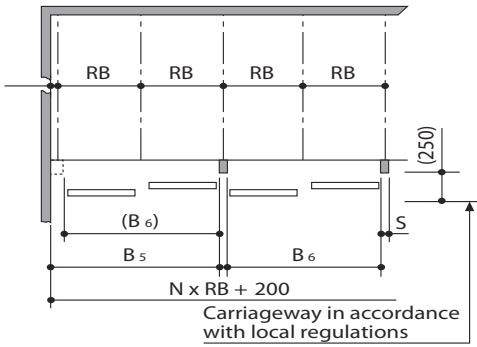
Columns per each grid unit (S = 200)



usable platform width	Grid unit width RB**	B5	B6
2300 *	2500	2500	2300
2400	2600	2600	2400
2500	2700	2700	2500
2600	2800	2800	2600
2700	2900	2900	2700

* = standard width (parking space width 2.30 m)
** = Grid unit width must strictly conform to dimensions quoted!

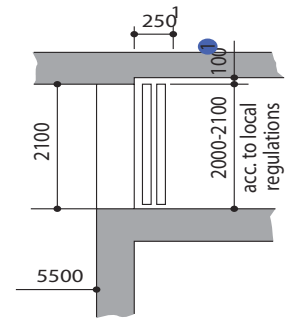
Columns every second grid unit (S = 200)



usable platform width	Grid unit width RB**	B5	B6
2300 *	2500	5000	4800
2400	2600	5200	5000
2500	2700	5400	5200
2600	2800	5600	5400
2700	2900	5800	5600

* = standard width (parking space width 2.30 m)
 ** = Grid unit width must strictly conform to dimensions quoted!

Detail X

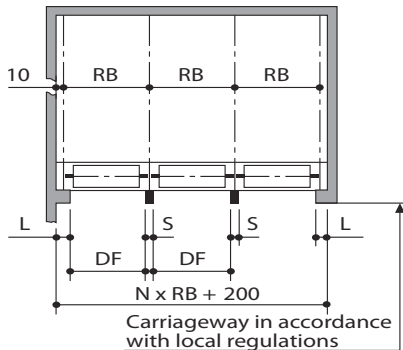


! End parking spaces are generally more difficult to drive into. Therefore we recommended for end parking spaces our wider platforms. Parking on standard width platforms with larger vehicles may make getting into and out of the vehicle difficult. This depends on type of vehicle, approach and above all on the individual driver's skill.

Widths – Detail X for garages with roll doors

Roll door behind columns

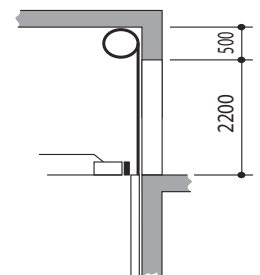
Columns per each grid unit (S = 200)



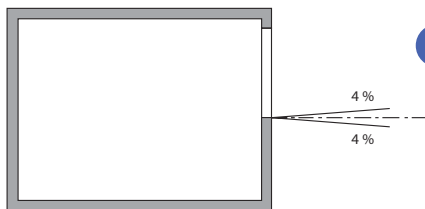
usable platform width	Grid unit width RB**	Door Entrance		
		Width DF	Soffit L	Columns 6
2300 *	2500	2300	200	200
2400	2600	2400	200	200
2500	2700	2500	200	200
2600	2800	2600	200	200
2700	2900	2700	200	200

* = standard width (parking space width 2.30 m)
 ** = Grid unit width must strictly conform to dimensions quoted!

Detail X



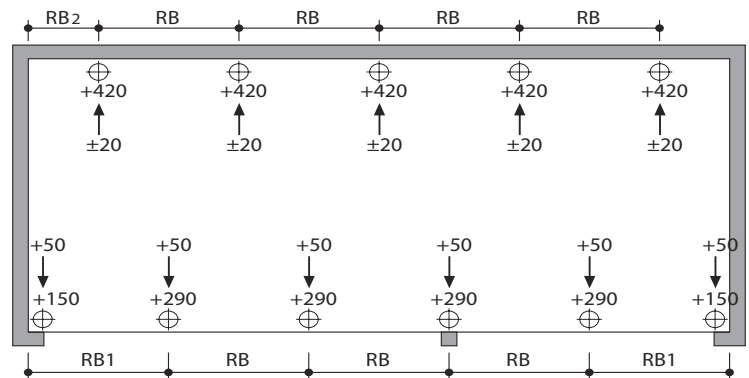
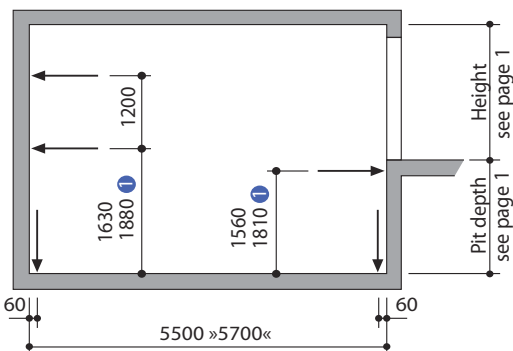
Approach



! The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious manoeuvring & positioning problems on the parking system for which the local agency of LevantaPARK accepts no responsibility.

Load plan

Forces in kN

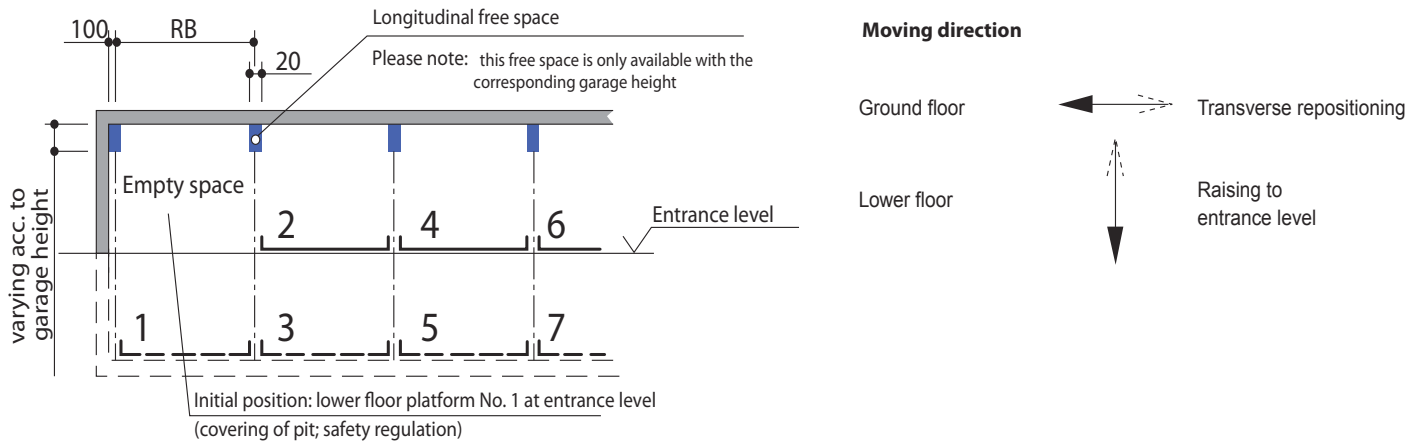


usable platform width	RB	RB1	RB2
2300 *	2500	2600	1350
2400	2600	2700	1400
2500	2700	2800	1450
2600	2800	2900	1500
2700	2900	3000	1550

1 = Dimensions for Exclusive Type

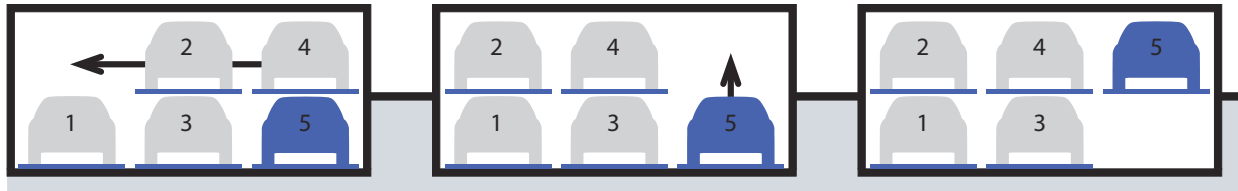
➤ The system is dowelled to floor and walls. The drilling depth in the floor is approx. 150mm. The drilling depth in the walls is approx. 120mm. Floor and walls are to be made of concrete (grade of concrete min. C20/25)!

Longitudinal free space; Standard parking space numbers; Denomination



Function of the Max-1

(e.g. for parking space No. 5: Check first that all doors are closed, then select No.5 on operating panel.



For driving the vehicle off platform No. 5, the upper parking platforms are shifted to the left.

The empty space is now below the vehicle which shall be driven off the platform. The platform No.5 will be raised.

The vehicle on platform No.5 can now be driven off the platform.

Technical data

Range of application

Generally, this parking system is not suited for short-time parkers (temporary parkers). Please do not hesitate to contact your local LevantaPARK agency for further assistance.

Available documents

- wall recess plans
- maintenance offer/contract
- declaration of conformity
- test sheet on airborne and slid-borne sound

Corrosion protection

See separate sheet regarding corrosion protection.

Environmental conditions

Environmental conditions for the area of LevantaPARK Systems: Temperature range -10 to +40° C. Relative humidity 50% at a maximum outside temperature of +40° C. If lifting or lowering times are specified, they refer to an environmental temperature of +10° C and with the system set up directly next to the hydraulic unit. At lower temperatures or with longer hydraulic lines, these times increase.

Electrically driven doors

Commercially or residential used motorised gates and roller doors should be subjected to annual inspections. We recommend concluding a maintenance agreement that includes this service for the entire system.

Numbering

The standard numbering of the parking spaces is to be taken from page . Different numbering is only possible at extra cost. Please take note of the following specifications: In general, the empty space must be arranged to the left. The numbers must be provided 8 - 10 weeks before the delivery date.

Sound insulation

According to AS 1217.1, LevantaPark are part of the building services (garage systems).

Normal sound insulation: AS 1217.1, Sound insulation against noises from building services.

The standard contains permissible sound level values emitted from building services for personal living and working areas. Noises created by users are not subject to the requirements. The following measures are to be taken to comply with this value.

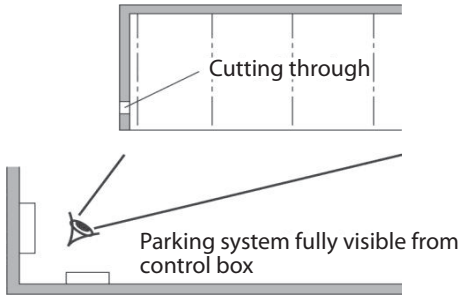
- Sound protection package according to offer/order
- Minimum sound insulation of building $R'w = 57$ dB (to be provided by customer)

Note: User noises are noises created by individual users in our LevantaPARK Systems. These can be noises from accessing the platforms, slamming of vehicle doors, motor and brake noises.

ELECTRICAL DATA

Control box

The control box must be accessible at all times from outside! Dimensions approx. 1000 x 1000 x 300 mm. Cutting through of wall from control box to parking system (contact the local agency of LevantaPARK for clarification).



Electrical supply

Suitable electrical supply 5 x 2.5 mm² (3 PH+N+PE) to control

box with mains fuse 3 x 16 A slow or over-current cut-out 3 x 16 A trigger characteristic K, G or C. Suitable electrical supply to the control box must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason, for which the customer is responsible, the customer must commission an electrician at their own expense and risk.

Foundation earth connector

All connection of the equipment must be in accordance with relevant Australian standards including the requirements of AS 3000 on electrical earthing.

Operating device

Easy-to-survey positioning (e.g. on column). Protection against unauthorized use. May also be recessed in wall if required.

STANDARDS

SEMI-AUTO BI-DIRECTIONAL MAX 1 SYSTEMS CONFORM TO

- AS 3000 - All electrical wiring is installed to conform to Australian standards.
- AS Part 1601 - The design of all controls, interlocks and guards conform to AS Part 1601.
- ISO 9001 - Manufacturing procedures of all platforms, lifts and parking systems are certified to ISO 9001
- AS 60204 - All electrical equipment on product supplied

- by LevantaPARK conform to AS60204.
- AS1217.1 - Acoustic requirement on products supplied by LevantaPARK conform to AS1217-1.
- EN14010 - All LevantaPARK products conform to the European standards of equipment for power driven parking of motor vehicles. This also covers the design, manufacturing and installation procedures.



Designed for Australian site conditions



Engineered & Manufactured in Europe



Smart Solutions for Vehicle Parking and Car Storage

QLD	- 17 Canberra Street	Hemmant	QLD	4174
NSW	- 89 Gascoigne Street	Kingswood	NSW	2747
WA	- 67 Tacoma Circuit	Canning Vale	WA	6155
VIC	- 51 Assembly Drive	Tullamarine	VIC	3043
SA	- 6 Sheffield Street	Woodville North	SA	5012

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