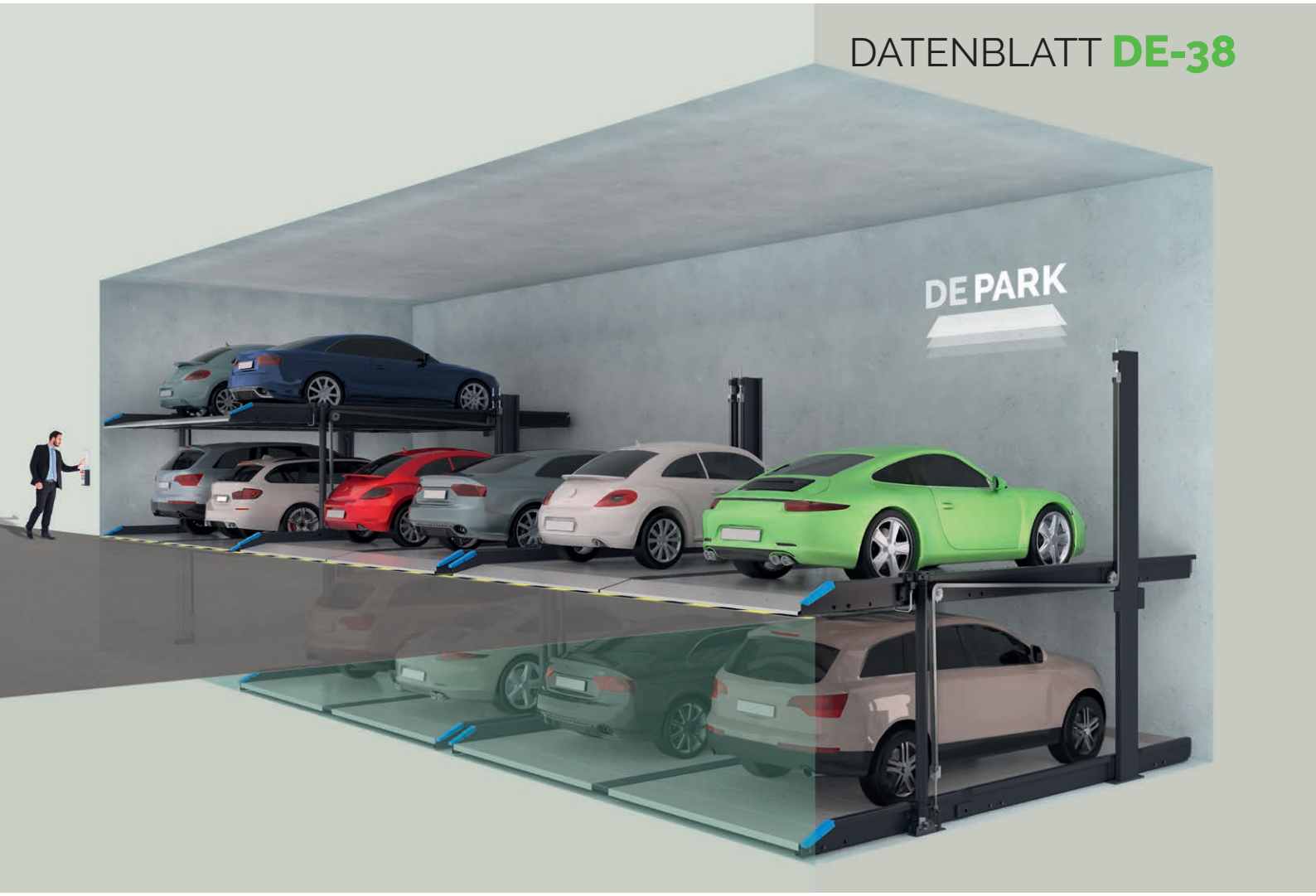
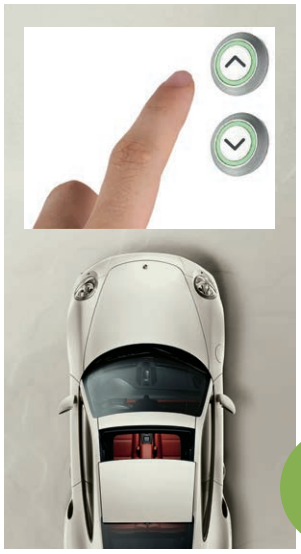
DE PARK

Parking. Surprisingly simple.

DATENBLATT **DE-38**





DE-38 (with pit)

DOUBLE THE NUMBER OF PARKING SPACES IN GARAGES FROM A CLEAR HEIGHT OF 320 cm

Independent Car Parking System on 2 levels
with an interactive control

A

Analogue Parking Technologies

Made in Germany

Single units for 2 vehicles
Double units for 4 vehicles (combinable)

- Suitable for **residential buildings, office buildings** and **business premises,** as well as for **hotels.**
- For **permanent and trained users** only.
- **Indoor-Installation.**

VEHICLE WEIGHT (max.)

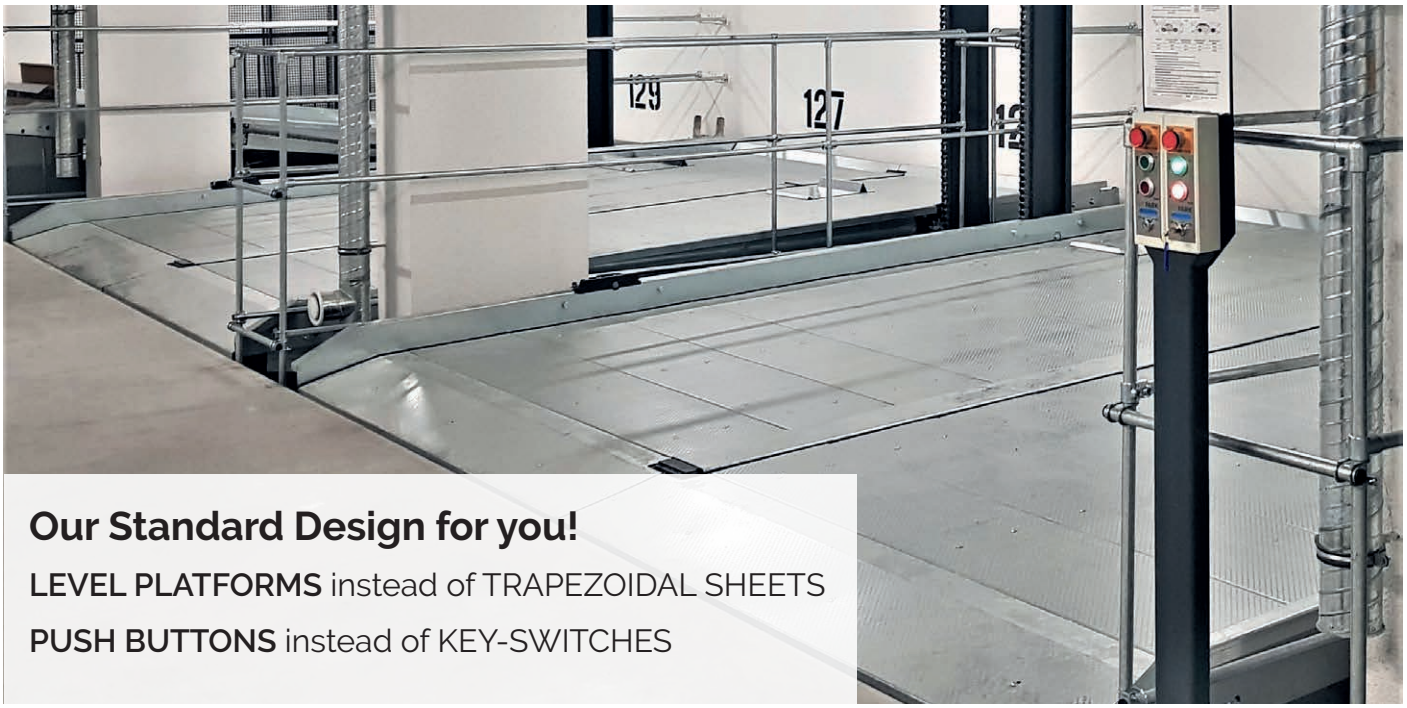
Standard

- 2000 kg, 500 kg Radlast

Optional

- 2600 kg, 650 kg Radlast

DE-38 is our independent Car Parking System with **horizontal accessible platforms** and is installed on **two levels**, with **pit.**



Our Standard Design for you!

LEVEL PLATFORMS instead of TRAPEZOIDAL SHEETS

PUSH BUTTONS instead of KEY-SWITCHES

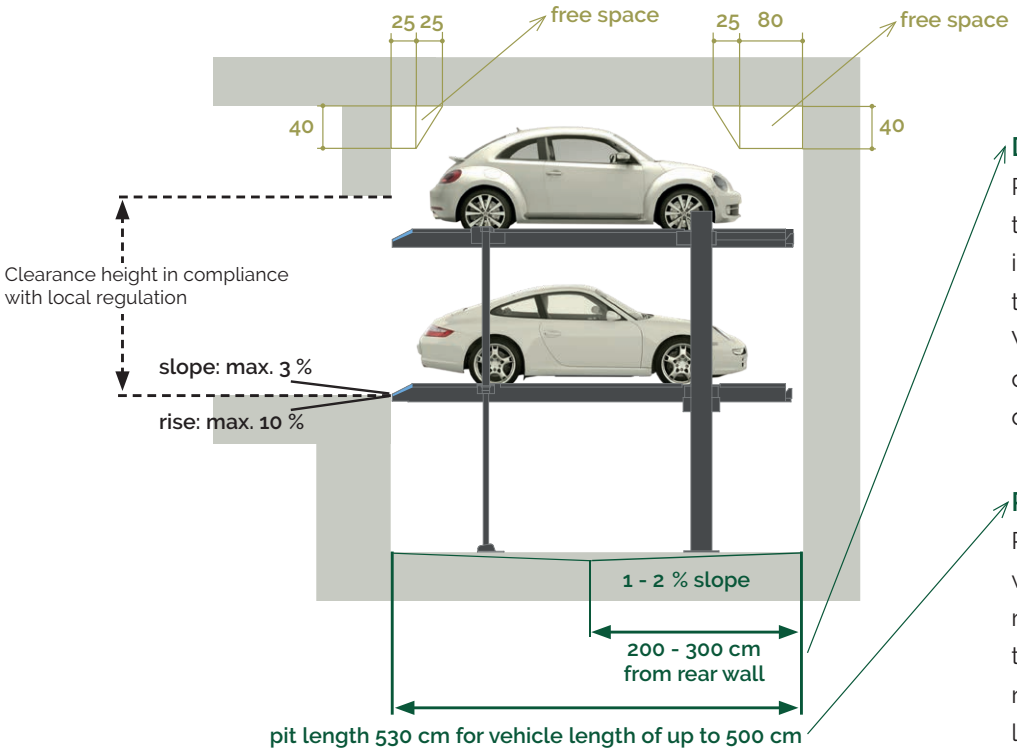
EASY TO PLAN with space-saving construction.

EASY TO INSTALL with minimized parts construction.

EASY TO USE due to barrier free construction.

LENGTH DIMENSIONS

DIMENSIONS in cm



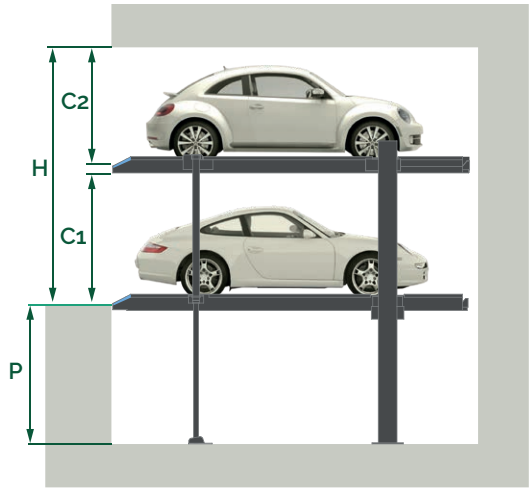
Drainage

Please provide 1 to 2 % slope in the pit floor. Distance for drainage in the area of 200 bis 300 cm from the back wall.
We recommend to install a drainage channel of 10 x 2 cm with drainage pit of 50 x 50 x 20 cm.

Pit length

Pit length of min. 530 cm for vehicle length of up to 500 cm is required. For larger vehicles an installation length of min. 540 cm is recommended. This enables also larger safety distances, if newer, longer vehicles are purchased.

HEIGHT DIMENSIONS



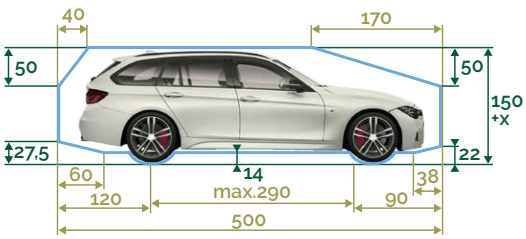
P = pit depth (other dimensions available upon request)
H = clear height
C1 = vehicle height bottom*
C2 = vehicle height top*

P	C1	H	C2
170 -->	150	320 -->	150
185 -->	165	335 -->	150
200 -->	180	350 -->	150

*Vehicle height

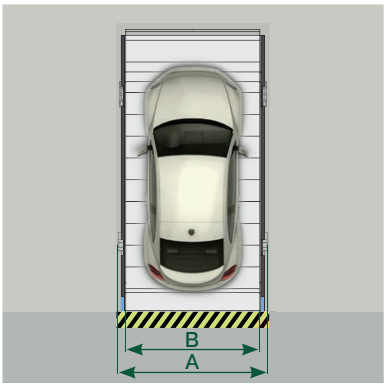
Higher cars can be parked on the platform above in case of more ceiling height.
The total vehicle height, including the roof rack, antenna, etc., must not exceed the mentioned maximum height values.

CLEARANCE PROFILE



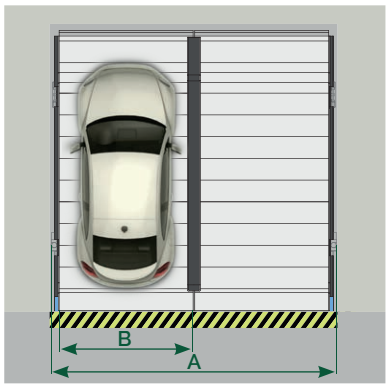
All dimensions are minimum finished dimensions.
Allow for tolerances to VOB Part C (DIN 18330, 18331) and additionally DIN 18202 (+ 30 mm / 0 mm).

WIDTH DIMENSIONS I Garages with partition walls



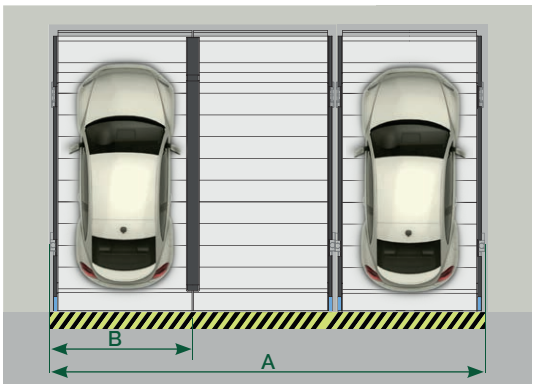
SINGLE UNIT for 2 vehicles

system width A	parking width B
260 cm	230 cm
270 cm	240 cm
280 cm	250 cm
290 cm	260 cm
300 cm	270 cm



DOUBLE UNIT for 4 vehicles

system width A	parking width B
490 cm	460 cm
510 cm	480 cm
530 cm	500 cm
550 cm	520 cm
570 cm	540 cm



DOUBLE AND SINGLE UNIT for 6 (combinable)

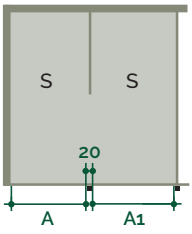
system width A	parking width B
750 cm	460 + 230 cm
780 cm	480 + 240 cm
810 cm	500 + 250 cm
840 cm	520 + 260 cm
870 cm	540 + 270 cm

The option of a **double platform unit** provides **efficient installation and use of space without interfering pillars** between the parking spaces.

- Tolerance of dimensions on the construction site = 0 to + 3 cm.
- The width of driving lanes must comply with local regulations.
- We recommend a parking width of at least 250 cm for a comfortable parking.

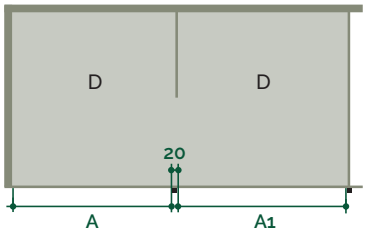
WIDTH DIMENSIONS I Garages with pillars outside the pit

Exemplary illustration with a pillar of 20 cm.



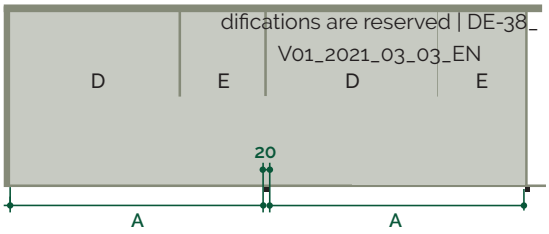
S = single unit for 2 vehicles

Wall to pillar A	pillar to pillar A1	= parking width
250 cm	240 cm	230 cm
260 cm	250 cm	240 cm
270 cm	260 cm	250 cm
280 cm	270 cm	260 cm
290 cm	280 cm	270 cm



D = double unit for 4 vehicles

Wall to pillar A	pillar to pillar A1	= parking width
480 cm	470 cm	460 cm
500 cm	490 cm	480 cm
520 cm	510 cm	500 cm
540 cm	530 cm	520 cm
560 cm	550 cm	540 cm



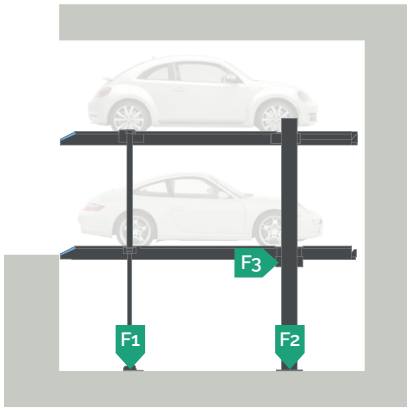
D/E = double and single unit for 6 vehicles (combinable)

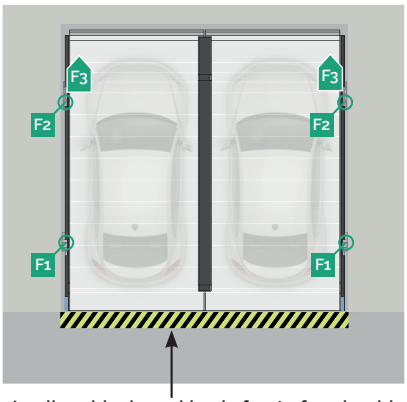
Wall to pillar A	pillar to pillar A1	= parking width
740 cm	730 cm	460 + 230 cm
770 cm	760 cm	480 + 240 cm
800 cm	790 cm	500 + 250 cm
830 cm	820 cm	520 + 260 cm
860 cm	850 cm	540 + 270 cm

WIDTH DIMENSIONS I Garages with pillars inside the pit

Supporting pillars in the pit may protrude a maximum of 120 cm deep into the pit (measured from the front edge of the pit) into the pit. Please contact us with your planning.

CONSTRUCTION REQUIREMENTS (see also planning notes)





A yellow-black marking in front of each grid, 10 cm wide, according to ISO 3864 has to be provided (on-site)

ANCHORING & FLOOR REQUIREMENTS

The systems are directly anchored into the floor with heavy duty anchor bolts. The depth of the drill hole is approx. 13 cm. The base plate thickness must be minimum 20cm with a concrete quality according to the static requirements of the building. Minimum requirement of the concrete quality is C20/25. The precise position of the load application points is available on request.

FORCES TO THE STRUCTURE

Single unit

	2000 kg	2600 kg
F1	25 kN	32 kN
F2	15 kN	20 kN
F3	5 kN	5 kN

Double unit

	2000 kg	2600 kg
F1	45 kN	60 kN
F2	25 kN	30 kN
F3	5 kN	5 kN

- The forces apply to one pillar.
- If pillars are next to each other the figure double, as both pillars are fixed in one point.

OPENINGS AND WALLS

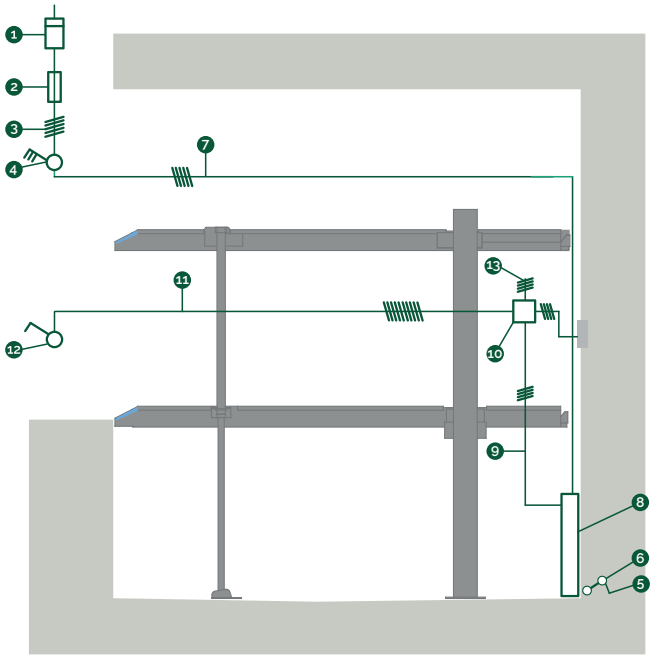
In case of partition walls, 15 x 15 cm opening for electric cables and hydraulic pipes is necessary. Please do not close off opening after installation. Walls on the entry side and rear are to be made of concrete and completely flat (without protruding parts).

ELECTRIC INSTALLATION

To be provided from customer:

Item	Description
1	Electric meter
2	Fuse or automatic circuit breaker according to DIN VDE 0100, part 430, 16 A slow
3	Supply line to main switch 3 PH + N + PE according to local regs.
4	Main switch loackable
5	Connection for the protective potential equalization according to DIN 60204
6	Protective bonding all 10 m

Item 7 to 13: Components are part of DE-PARK´s scope of delivery.



Power supply and system performance

- power supply: 400 Volt, 50 Hz, 3 phaze
- system performance: 3,0 kW

CONTROL AND OPERATION

THE NEW GENERATION: OPERATION VIA PUSH-BUTTONS

More comfort and more safety
by using of an interactive, innovative control unit with two push buttons (lifting and lowering), an emergency stop, a key-swicth for system release and illumination to visualize the system status easily.

Choose your parking space easily by pushing the buttons (keep pressed push buttons for lifting and lowering).

Mounting of the control unit:
Wall mounting (in-wall or surface mounted) or with a control column unit, see page 2.

PLANNING NOTES

Hydraulic unit
Placement in partitions walls or on the wall (wall recess, niche). Otherwise, an additional space above access level is defined when planning.

Space required (length x height x depth)

- approx. 100 cm x 140 cm x 35 cm
  for up to 5 systems
- approx. 150 cm x 140 cm x 35 cm
  for up to 10 systems

Maintenance, cleaning and prevetion
The systems must be serviced and cleaned regularly according to our operating instructions. Please ensure that there is sufficient drainage.

Safety fences · Barriers
Must be installed in the pedestrian area, accessible areas around the system as per DIN EN ISO 13857 (on site, alsoduring the installation).

Ventilation & Lighting
The parking garage must be adequately ventilated and illuminated on site as per regulations.

Temperature
Temperature range from - 5 to + 40° C. Relative humidity max. 80 %. Please contact DE-PARK in case of different conditions.

Noise emissions
According to the noise insulation regulations for buildings to DIN 4109, a value of 30 dB (A) must be complied with in occupied rooms and spaces.
You receive a sound insulation package with the system for the required 30 dB (A) insulation of the structure is also necessary. Sound reduction index min. Rw = 57 dB.

Fire safety
The garage design must fulfil the regional fire safety provisions. The requirements can vary. Therefore the situation must be clarified and information obtained in advance by the customer and then agreed and coordinated.

Declaration of conformity
Car Parking Systems of DE-PARK are conform to EG-Machinery Directive 2006/42/EG and to DIN EN 14010 (safety).

DE PARK
Parking. Surprisingly simple.

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