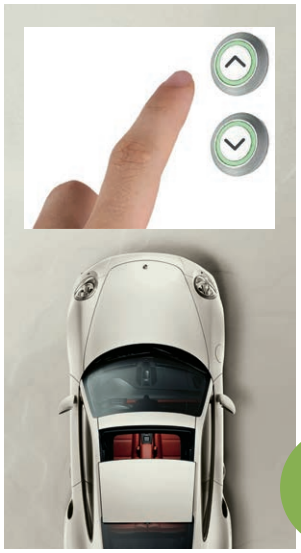
DE PARK

Parking. Surprisingly simple.

DATA SHEET **DE-58**



DE-58 (with pit)

GREAT SOLUTION FOR OUTDOOR USE
TO DOUBLE THE NUMBER OF PARKING SPACES

Independent Car Parking System on 2 levels
with an interactive control

A

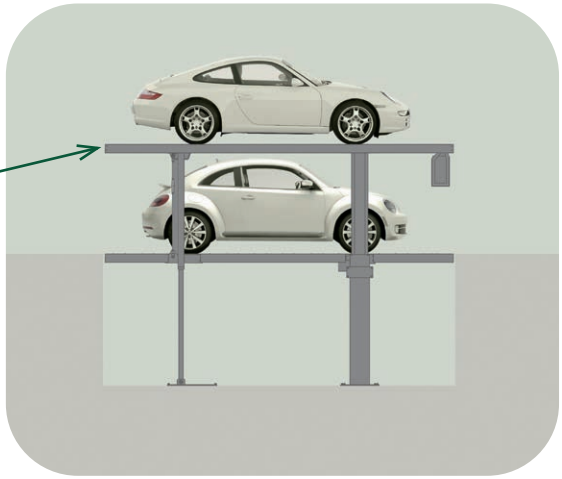
Analogue Parking Technologies

Made in Germany

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

The platform on top can be covered individually!

When lowered, the systems can be passed over.



Horizontal accessible platforms

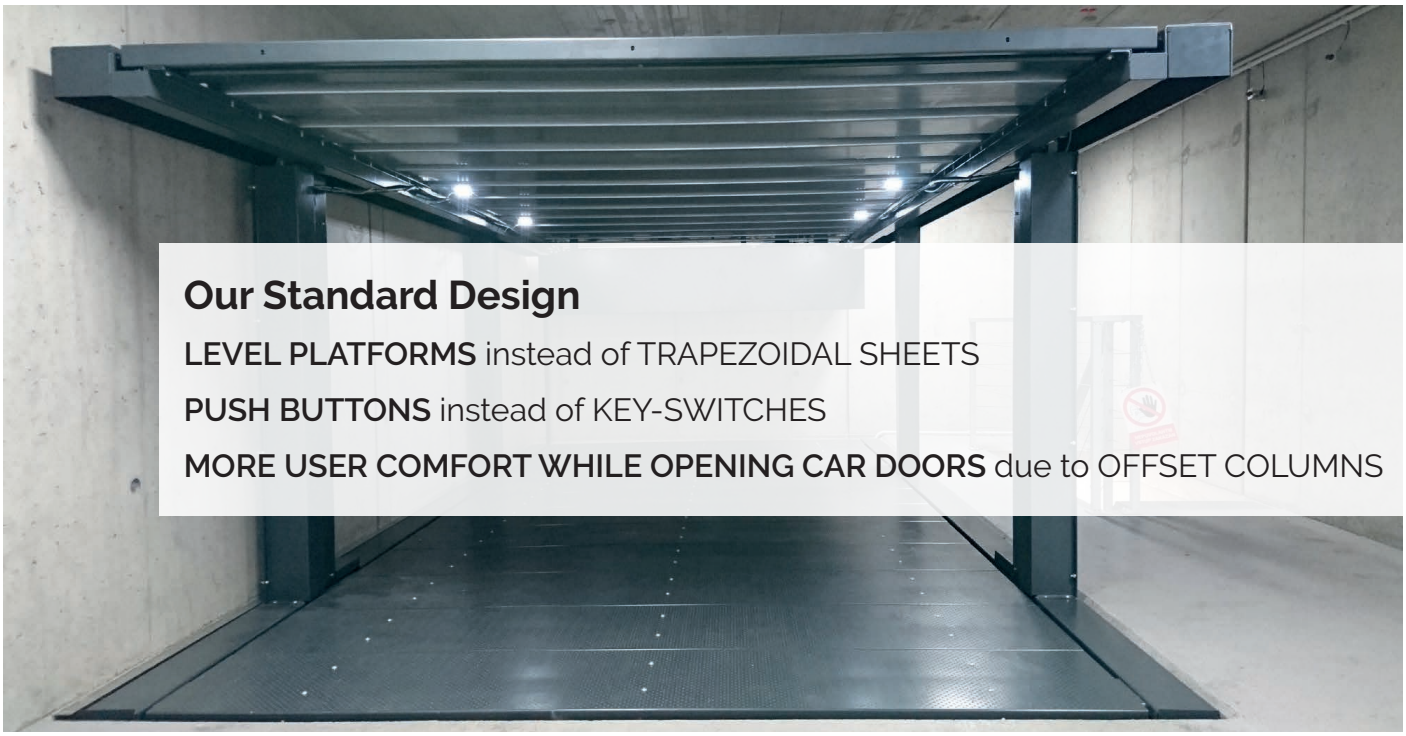
- Suitable for **private Car Parks**, **residential and office buildings,** as well as for **buildings classified as a historical monuments.**
- For **trained and permanent users,** only.
- Indoor and **Outdoor** usage.

VEHICLE WEIGHT (max.)

Standard
- 2000 kg, 500 kg Radlast

Optional
- 2600 kg, 650 kg Radlast

The **PARKING SPACE IN THE PIT IS INVISIBLE**, when the system is lowered.



Our Standard Design

LEVEL PLATFORMS instead of TRAPEZOIDAL SHEETS

PUSH BUTTONS instead of KEY-SWITCHES

MORE USER COMFORT WHILE OPENING CAR DOORS due to OFFSET COLUMNS

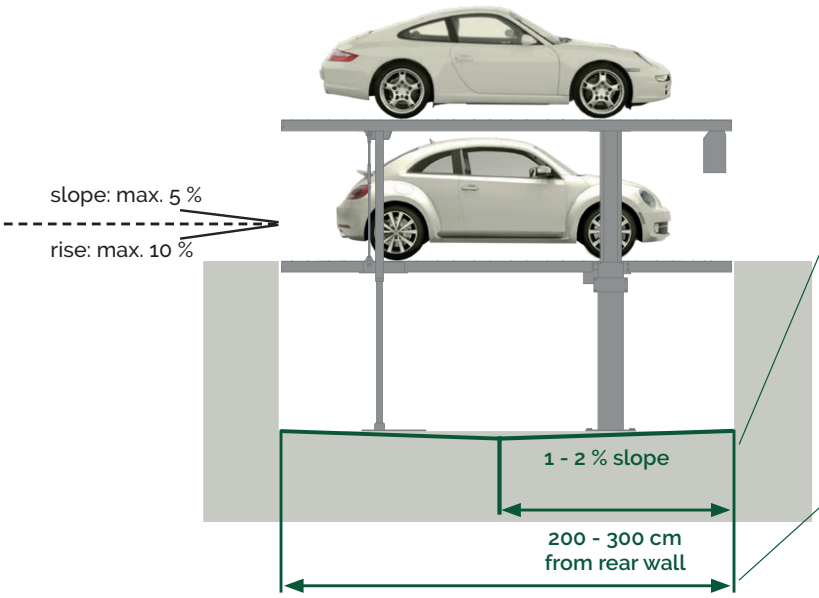
EASY TO PLAN with space-saving construction.

EASY TO INSTALL with minimized parts construction.

EASY TO USE due to barrier free construction.

LENGTH DIMENSIONS

DIMENSIONS in cm



pit length 530 cm for vehicle length of up to 500 cm

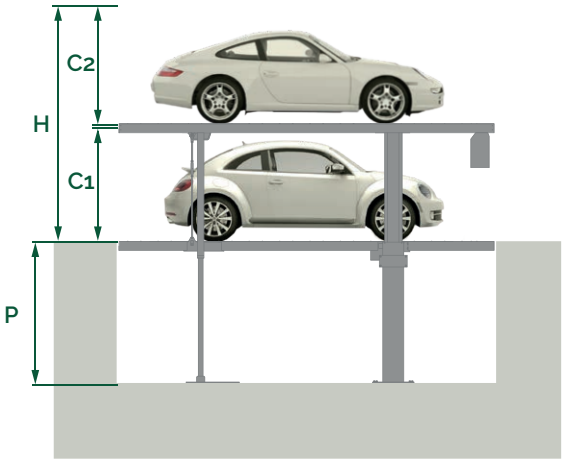
Drainage

Please provide 1 to 2 % slope in the pit floor. Distance for drainage in the area of 200 to 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. 560 cm is recommended. This enables also larger safety distances, if newer, longer vehicles are purchased.

HEIGHT DIMENSIONS



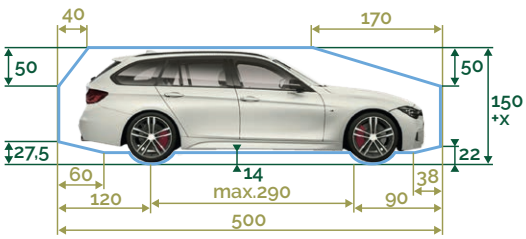
P = pit depth* (other dimensions available upon request)
H = clear height (for Indoor installation)
C1 = vehicle height bottom**
C2 = vehicle height top**

P	C1	H	C2
195 -->	150	325 -->	150
205 -->	160	335 -->	150
215 -->	170	345 -->	150
225 -->	180	355 -->	150
235 -->	190	365 -->	150
245 -->	200	375 -->	150

*Pit depth

The pit depth mentioned above is valid for single units (2 cars) only. An additional pit depth of 5 cm is required for double units (4 cars).

CLEARANCE PROFILE

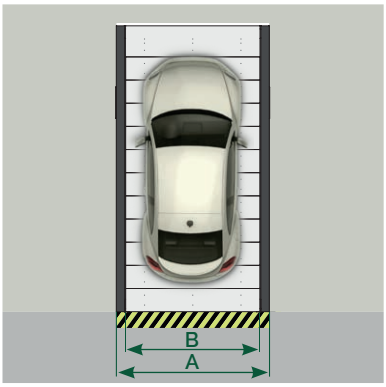


**Vehicle height

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

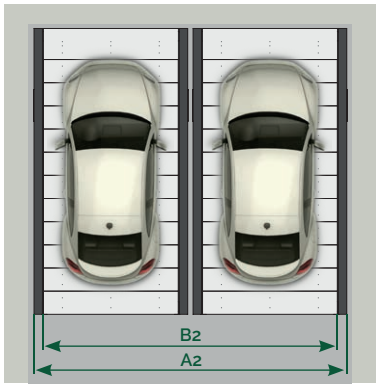
All dimensions are minimum finished dimensions. Allow for tolerances to VOB Part C (DIN 18330, 18331) and additionally DIN 18202 (+ 30 mm / 0 mm).

WIDTH DIMENSIONS I Garages with partition walls



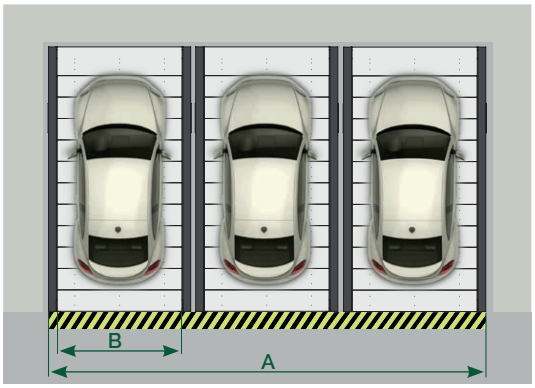
SINGLE UNIT for 2 vehicles

system width A	parking width B
265 cm	230 cm
275 cm	240 cm
285 cm	250 cm
295 cm	260 cm
305 cm	270 cm



DOUBLE UNIT for 4 vehicles

system width A2	parking width B2
495 cm	460 cm
515 cm	480 cm
535 cm	500 cm
555 cm	520 cm
575 cm	540 cm



DOUBLE AND SINGLE UNIT for 6 (combinable)

system width A	parking width B
760 cm	460 + 230 cm
790 cm	480 + 240 cm
820 cm	500 + 250 cm
850 cm	520 + 260 cm
880 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 in the pit.

- 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

Please contact us with your planning.

CONTROL AND OPERATION

THE NEW GENERATION: OPERATION VIA PUSH-BUTTONS

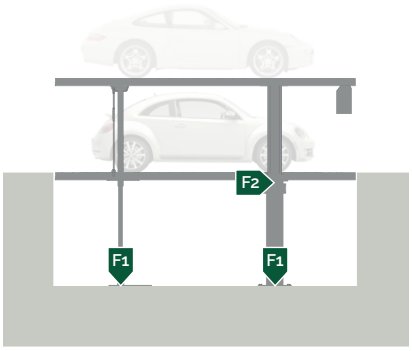
More comfort and more safety
by using of an interactive, innovative control unit with two push buttons (lifting and lowering), an emergency stop, a key-swicth for system release and illumination to visualize the system status easily.

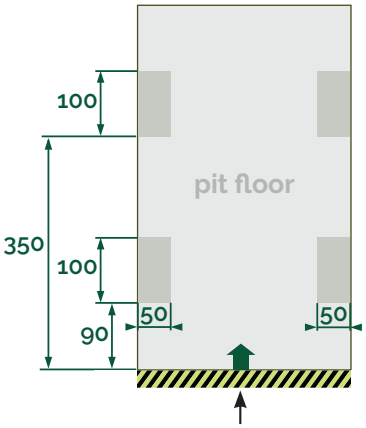
Choose your parking space easily by pushing the buttons (keep pressed push buttons for lifting and lowering).

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

CONSTRUCTION REQUIREMENTS (see also planning notes)

All figures relate to a maximum system length of 560 cm.





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

FORCES TO THE STRUCTURE

	2000 kg	2600 kg
F1	20 kN	28 kN
F2	6 kN	6 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.

PIT FLOOR AND ANCHORING

The pit floor should be built according to the drawing left. The four corners with the size of 50 x 100 cm must be even and leveled. 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.

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 10m

All other components are part of DE-PARK´s scope of delivery.

Power supply – system performance

- power required: 400 Volt, 50 Hz, 3 Phasen
- performance required: 2x 3,0 kW

PLANNING NOTES

Hydraulic unit
The hydraulic unit is part of the system and located below the upper platform to save space.

Maintenance, cleaning and prevention
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, also during the installation).

Ventilation & Lighting
The parking garage must be adequately ventilated and illuminated as per local regulations (only for Indoor installations).

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

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.

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