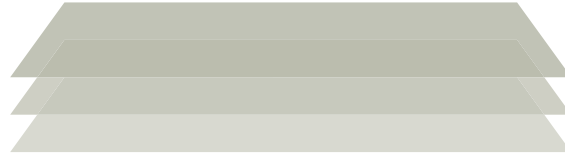
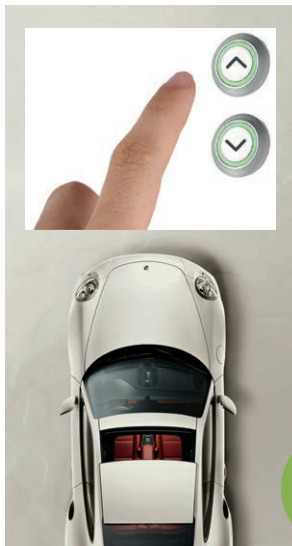


DE PARK

Parking. Surprisingly simple.



DATA SHEET **DE-59**



DE-59 (with pit)

SMART SOLUTION FOR OUTDOOR USE
TO TRIPPLE THE NUMBER OF PARKING SPACES

Independent Car Parking System on 3 levels
with an interactive control

A

Analogue Parking Technologies

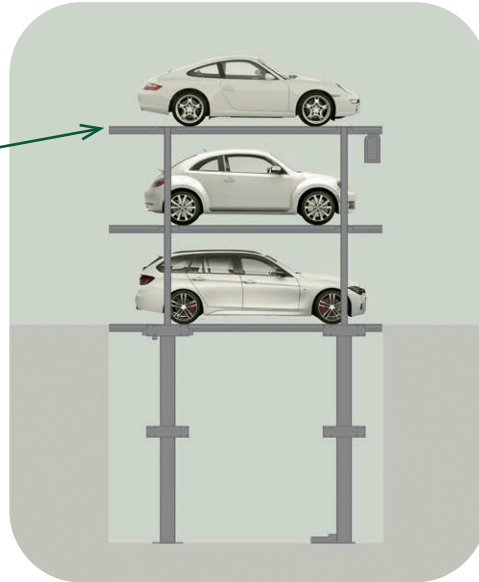
Made in Germany

Single unit für 3 cars
(systems can be arranged next to each other in rows)

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 SPACES IN THE PIT ARE 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.

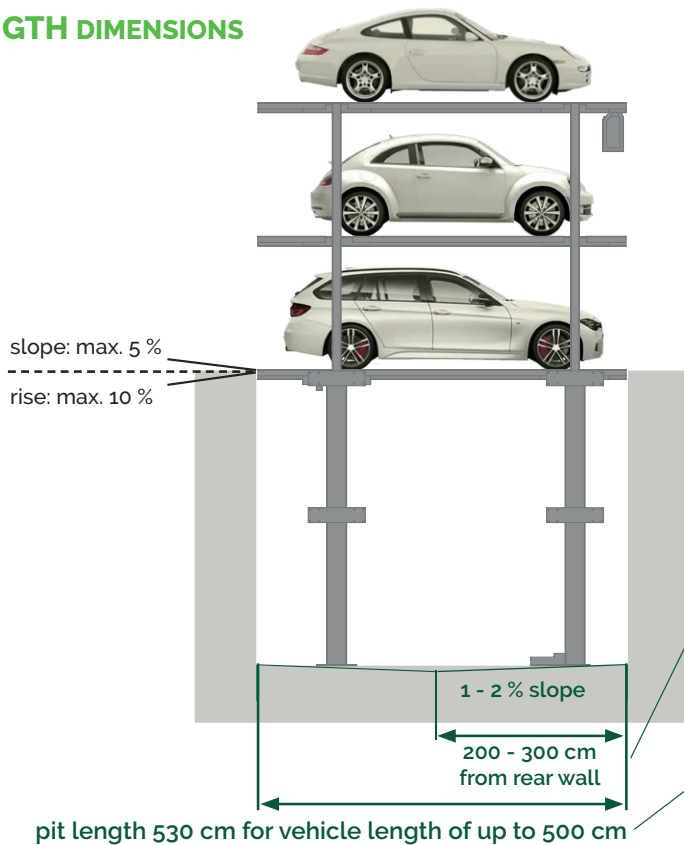


EASY TO INSTALL with minimized parts construction.



EASY TO USE due to barrier free construction.

LENGTH DIMENSIONS



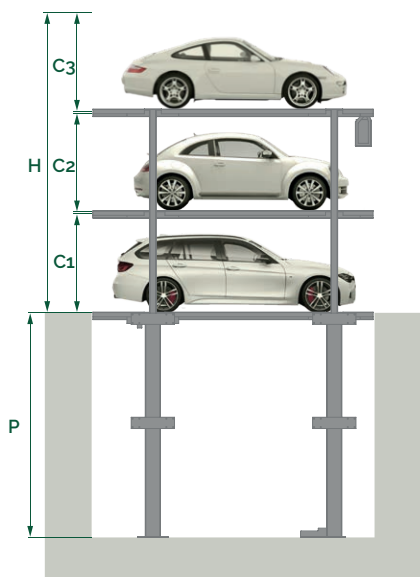
Drainage

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 540 cm or 550 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 middle*

C3 = vehicle height top*

P	C1	C2	H	C3
360 -->	150	150	475 -->	150
380 -->	160	160	495 -->	150
400 -->	170	170	515 -->	150
420 -->	180	180	535 -->	150
440 -->	190	190	555 -->	150
460 -->	200	200	575 -->	150

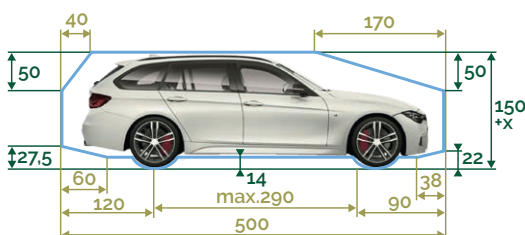
↑

*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.

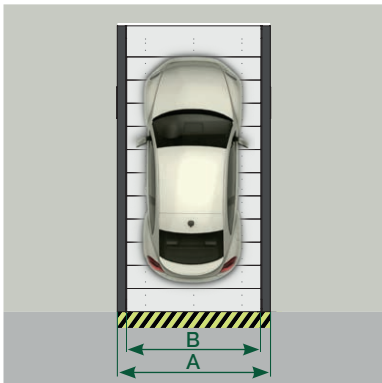
The total vehicle height, including the roof rack, antenna, etc., must not exceed the mentioned maximum height values.

CLEARANCE PROFILE



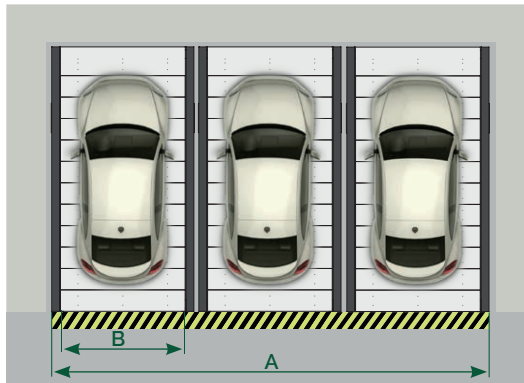
All dimensions are minimum finished dimensions. Allow for tolerances to VOB Part C (DIN 18330, 18331) and additionally DIN 18202 (+ 30 mm / 0 mm).

WIDTH DIMENSIONS



SINGLE UNIT for 3 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



3x SINGLE UNIT for 9 vehicles

system width A	parking width B
795 cm	230 cm
825 cm	240 cm
855 cm	250 cm
885 cm	260 cm
915 cm	270 cm

High number of parking spaces due to multiple arrangement of single units in a row and side-by-side.

- 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 | 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-switch for system release and illumination to visualize the system status easily.

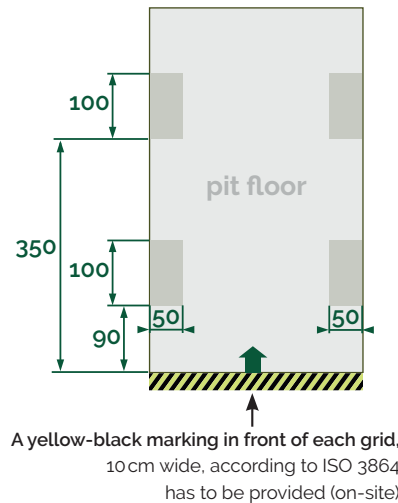
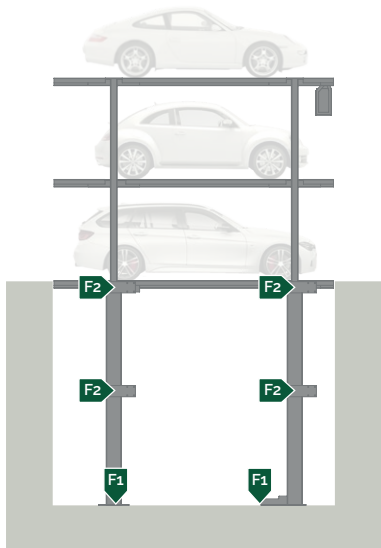
Choose your parking space easily by pushing the buttons (keep pressed push buttons for lifting and lowering).

Mounting

of the control unit:

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

CONSTRUCTION REQUIREMENTS (see also planning notes)



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 **20 cm** 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

	2000 kg	2600 kg
F1	28 kN	35 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.

WALLS

In case of walls on the entry side and rear, they 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 lockable
5	Connection for the protective potential equalization according to DIN 60204
6	Protective bonding all 10 m

Power supply – system performance

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

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

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).coordinated.

**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. $R_w = 57$ 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.

**DE PARK**

Parking. Surprisingly simple.

www.de-park.com

DE-PARK GmbH • Zschortauer Str. 76 • DE-04129 Leipzig

Tel.: +49 (0) 341 - 600 16 600 • Fax: +49 (0) 341 - 600 16 602 • info@de-park.com