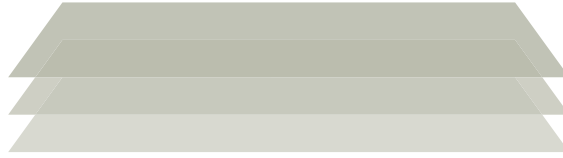
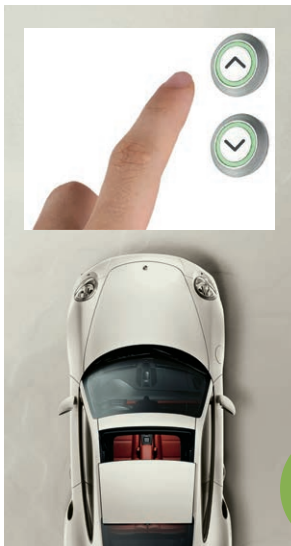
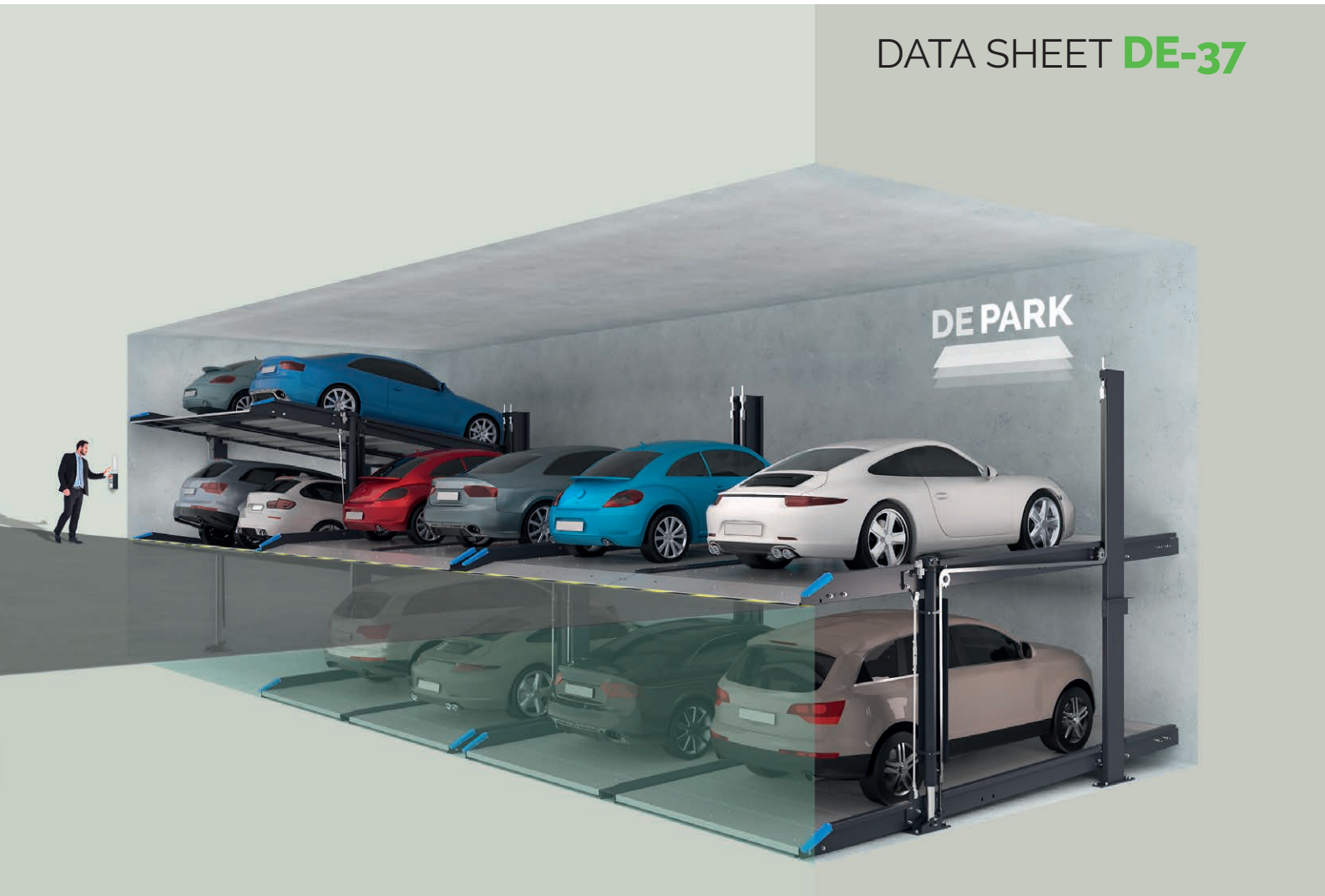


# DE PARK

**Parking.** Surprisingly simple.



DATA SHEET **DE-37**



**DE-37** (with pit)

**DOUBLE THE NUMBER OF PARKING SPACES  
IN GARAGES WITH LOW CEILING HEIGHT**

Independent parking 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)

Platform position when  
driving into the system

- platform top: 2"
- Platform bottom: 8-9"



- 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-37** is our independent Car Parking System with **inclined 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.



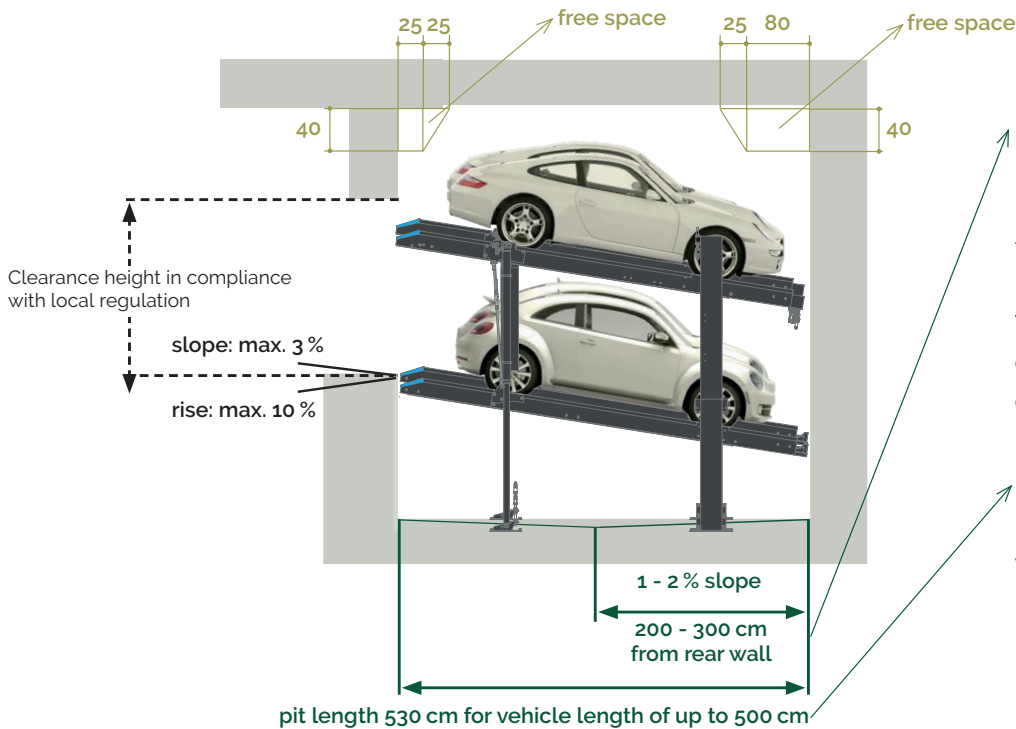
**EASY TO INSTALL** with minimized parts construction.



**EASY TO USE** due to barrier free construction.

## LENGTH DIMENSIONS

DIMENSIONS in cm



### Drainage

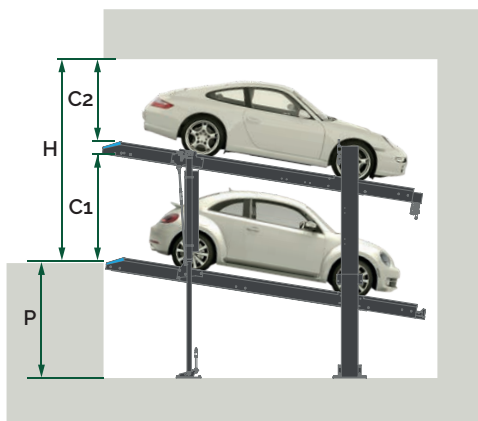
Please provide 1 to 2 % slope in the pit floor. Distance for drainage in the area of 200 to 300 cm from the back wall.

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. 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\*

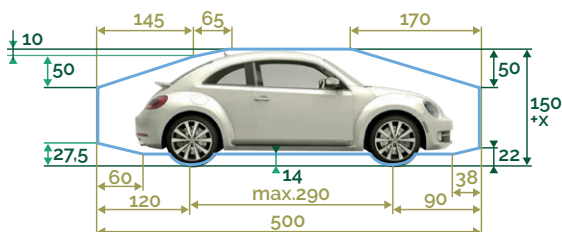
C2 = vehicle height top\*

P	C1	H	C2
170 -->	150	295 -->	150
185 -->	165	310 -->	150
200 -->	180	325 -->	150

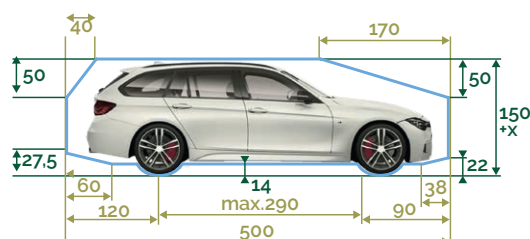
### \*Vehicle height

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

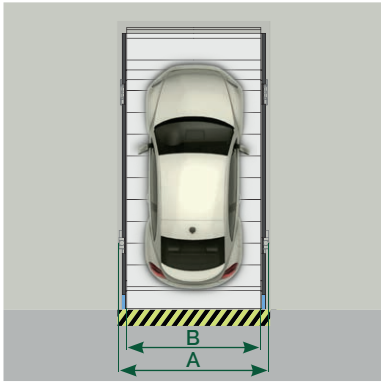


Platform top: **NO STATION WAGGONS!**



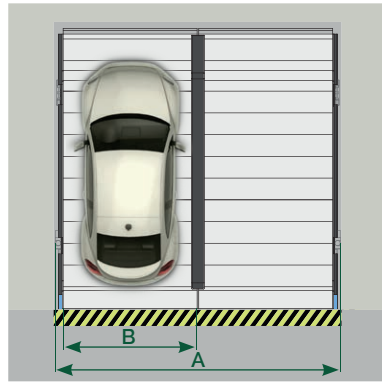
Platform bottom

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 | Garages with partition walls**

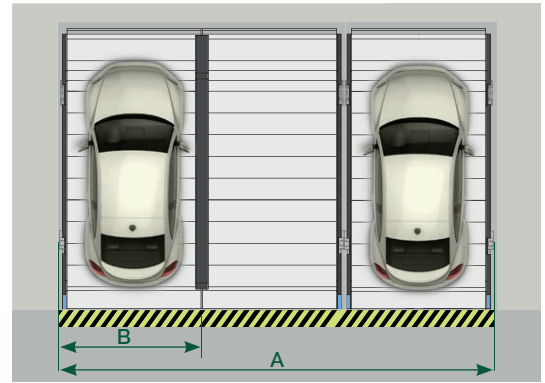
SINGLE UNIT for 2 vehicles

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)

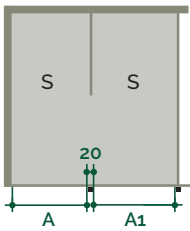
system width A	parking width B
750 cm	460 + 230 cm
780 cm	480 + 240 cm
810 cm	500 + 250 cm
840 cm	520 + 260 cm
870 cm	540 + 270 cm

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

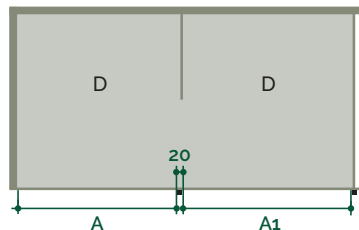
- Tolerance of dimensions on the construction site = 0 to + 3 cm.
- The width of driving lanes must comply with local regulations.
- We recommend a parking width of at least 250 cm for a comfortable parking.

**WIDTH DIMENSIONS | Garages with pillars outside the pit**

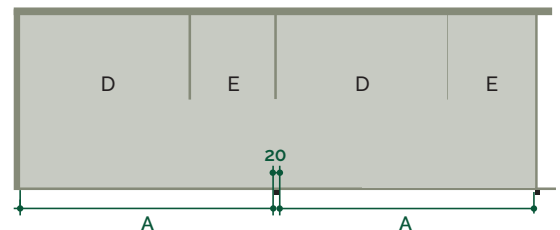
Exemplary illustration with a pillar of 20 cm.



S = single unit for 2 vehicles



D = double unit for 4 vehicles



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

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

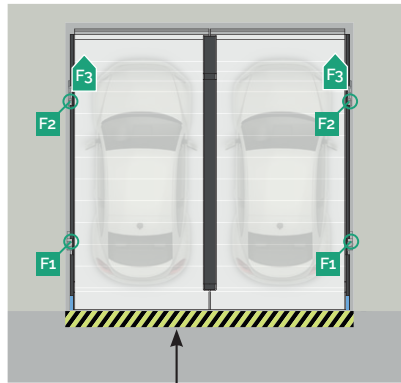
Wall to pillar A	pillar to pillar A1	= parking width
480 cm	470 cm	460 cm
500 cm	490 cm	480 cm
520 cm	510 cm	500 cm
540 cm	530 cm	520 cm
560 cm	550 cm	540 cm

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 | 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)

**FORCES TO THE STRUCTURE****Single unit**

	2000 kg	2600 kg
<b>F1</b>	25 kN	32 kN
<b>F2</b>	15 kN	20 kN
<b>F3</b>	5 kN	5 kN

**Double unit**

	2000 kg	2600 kg
<b>F1</b>	45 kN	60 kN
<b>F2</b>	25 kN	30 kN
<b>F3</b>	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.

**ELECTRIC INSTALLATION****To be provided from customer:**

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

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

**Power supply and system performance**

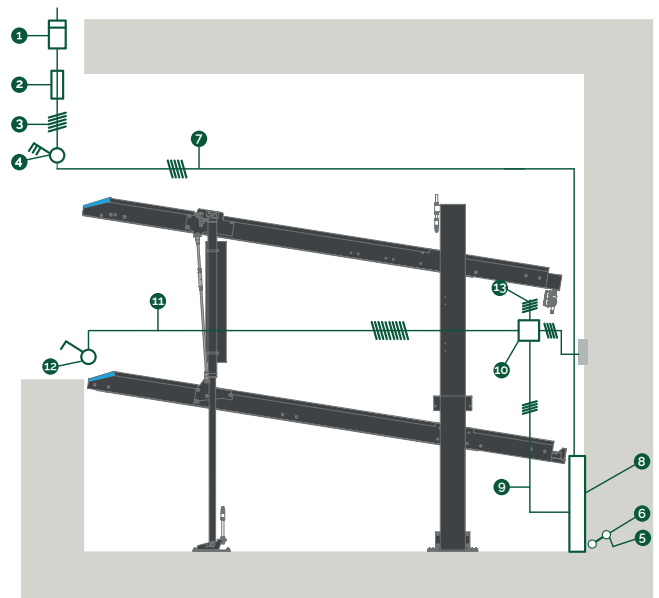
- power supply: 400 Volt, 50 Hz, 3 phase
- system performance: 3,0 kW

**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 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.

**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).



**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.

**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 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 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.  $R_w = 57$  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.

**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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