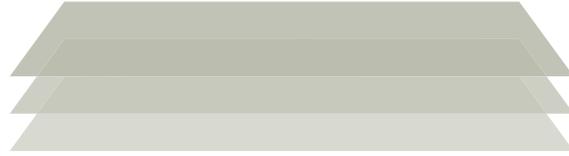


DE PARK

Parking. Surprisingly simple.



DATA SHEET **DE-64**



DE-64 (with pit)

The perfect solution for low ceiling heights and deeper pits.

Independent parking on 3 levels with semi-automatic control

D

Digital Parking Technologies

Made in Germany

Modular arrangement in segments,
minimum 2 segments
for 4 vehicles are required.

Platforms are
horizontally accessible.



- Suitable for **condominium, office buildings** and **hotels.**
- Usable for **trained and permanent users only.**

VEHICLE WEIGHT (max.)



Standard

- 2000 kg, 500 kg wheel load

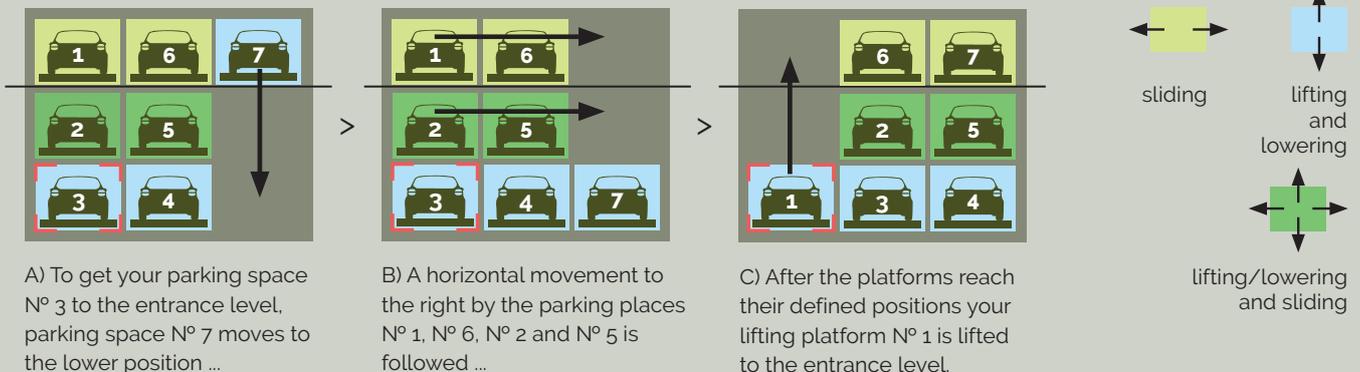
Optional

- 2600 kg, 650 kg wheel load

THE FUNCTIONALITY OF DE-PARK DIGITAL

Our Digital Series have a combination of lifting and sliding platforms. There is one sliding platform and one lifting platform less per system. A system with up to 10 segments and 28 parking spaces is possible. You can choose your parking space with one touch at the control panel.

The example shows 3 grids with 7 parking places: 2 empty space are needed for the movement.



Our Standard Design for you!



Fig. above: DE-611 for demonstration purposes only.

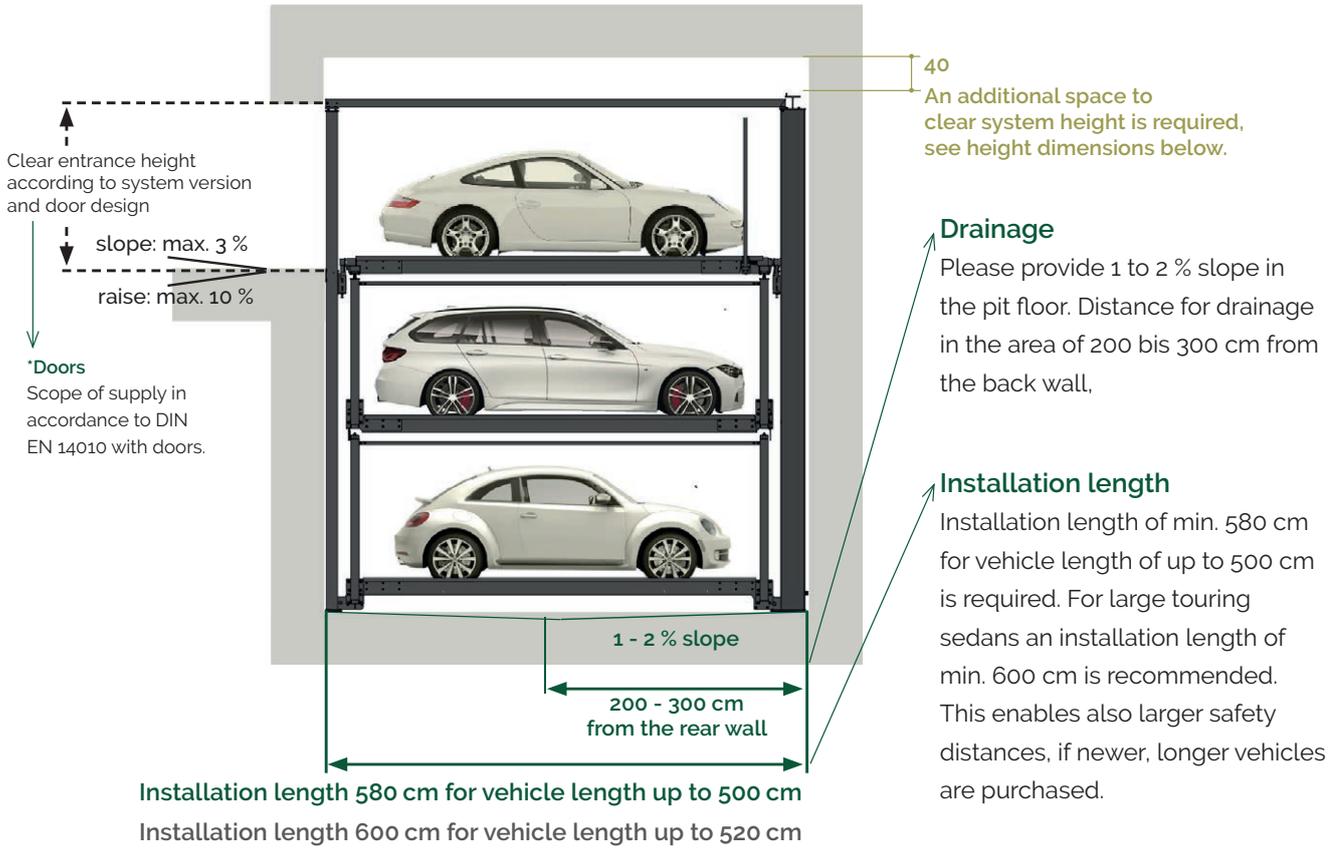
FLAT PLATFORMS

offer higher comfort and safety
for driver and car.

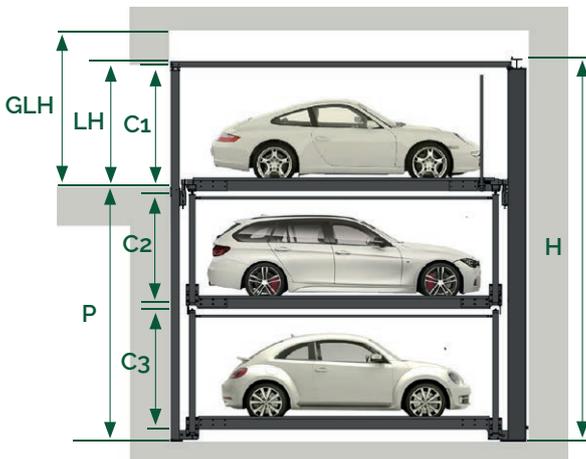
Easy to walk and easy to drive.

LENGTH DIMENSIONS

DIMENSIONS in cm



HEIGHT DIMENSIONS

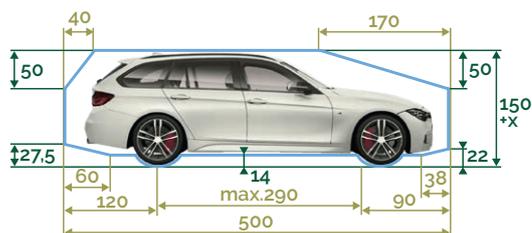


- P = pit depth
- LH = clear height of system
- GLH = total clear height of system (CH + 40 cm)
- H = system height
- C1 = vehicle height bottom*
- C2 = vehicle height middle*
- C3 = vehicle height top*

P	LH	GLH	H	C1	C2	C3
370	of 185	of 225	555	150	150	150
390	of 195	of 235	585	160	160	160
410	of 205	of 245	615	170	170	170
430	of 215	of 255	645	180	180	180
450	of 225	of 265	675	190	190	190
470	of 235	of 275	705	200	200	200
490	of 245	of 285	735	210	210	210

Other dimensions are available upon request.

CLEARANCE PROFILE



*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.

WIDTH DIMENSIONS

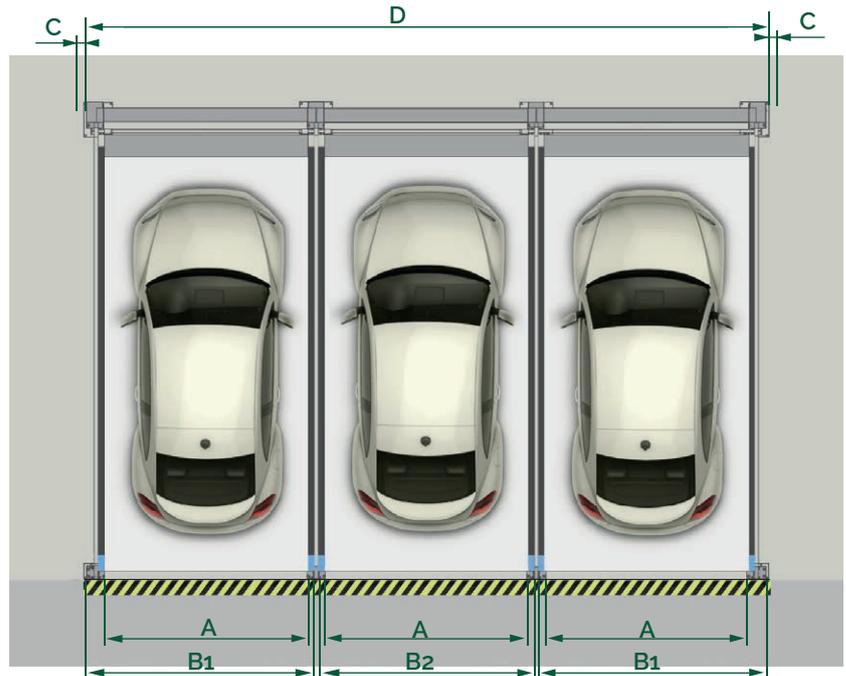
DIMENSIONS in cm

ARRANGEMENT IN SEGMENTS

- A = parking width (clear platform width)
- B1 = outer segment width
- B2 = inner segment width
- C = minimum distance to building wall*
- D = system width**

Parking width A	Outer segment width B1	Inner segment width B2
230	265	250
240	275	260
250	285	270
260	295	280
270	305	290

*C = Please provide minimum 5 cm distance to the building wall. An additional pit width of in total 10 cm to system width must be taken into consideration.



A driving lane in front of each segment is required for access.

DE-64 is available with **10 segments** for **28 parking spaces** within one system.

parking width A	system width D by x segments								
	2 seg. 4 cars	3 seg. 7 cars	4 seg. 10 cars	5 seg. 13 cars	6 seg. 16 cars	7 seg. 19 cars	8 seg. 22 cars	9 seg. 25 cars	10 seg. 28 cars
230	540	790	1040	1290	1540	1790	2040	2290	2540
240	560	820	1080	1340	1600	1860	2120	2380	2640
250	580	850	1120	1390	1660	1930	2200	2470	2740
260	600	880	1160	1440	1720	2000	2280	2560	2840
270	620	910	1200	1490	1780	2070	2360	2650	2940

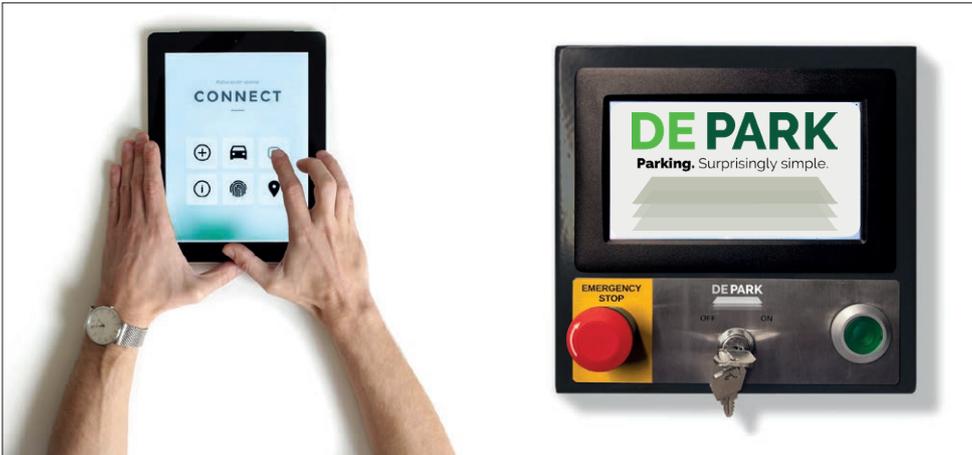
- **Tolerance of dimensions on the construction site = 0 to + 3 cm..
- We recommend a parking width of at least 250 cm for a comfortable parking.

HYDRAULIC UNIT

The hydraulic unit is located outside the parking system but close to the system. Up to 10 segments can be operated with one hydraulic unit. The final position is defined within the planning phase.

Dimensions of hydraulic unit (width x depth x height)

approx. 130 cm x 22 cm x 55 cm

OPERATION of parking systems

Touch-Screen control unit
with key-switch and emergency stop button

„FDS remote-diagnosis-system“
for a quick online analysis and
reliable diagnosis for smooth
operation .
Available as an option.

To be provided on site:
DSL line with internet access
at the control cabinet.

**OPERATION WITH GATES in semi-automatic function
by Touch-Screen control unit.**

Choose your parking space simply and conveniently by touch screen and follow the movement of your platform on the screen. The control unit is activated by a key-switch to ensure a safe access for permitted users only. Access gates at the entrance of the system are required for safety reasons.

Mounting of control unit:

Wall mounting (in-wall / surface-mounted).

Alternative mounting options are available upon request.

“Stay comfortably in your car and let the system do the rest.”



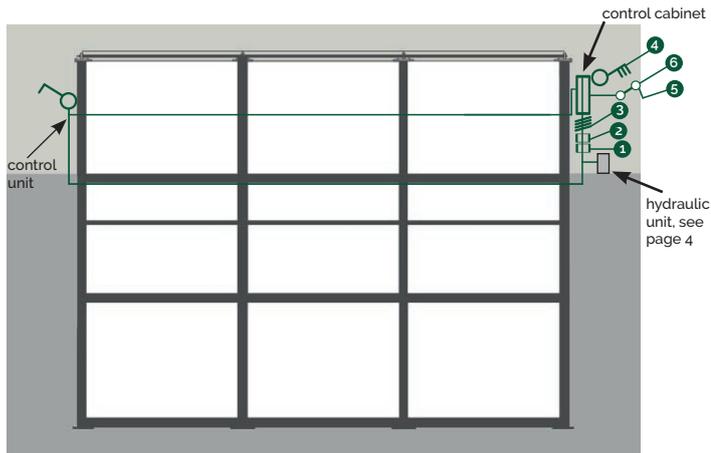
Upgrade: Operation by remote control

Each user will receive a coded remote control for its parking space.

By simply pushing the button, the system will provide the selected platform.

The opening and closing of the gates by remote control is only possible when using electrically driven gates. Also external access gates and / or vehicle detectors can be operated by remote control.

ELECTRIC INSTALLATION



Installation diagram (front view)

Control cabinet

The control cabinet must be placed outside the moving range but close to the system.

- **Dimensions for up to 3 segments (width x depth x height):**
approx. 800 mm x 600 mm x 210 mm
- **Dimensions for up to 4 segments to max. 10 segments (width x depth x height):**
approx. 1000 mm x 1000 mm x 300 mm

To be provided from customer:

Pos.	Description
1	Electric meter
2	Fuse or automatic circuit breaker according to DIN VDE 0100, part 430, 3 x 16 A slow
3	Supply line $5 \times 4,0 \text{ mm}^2$ (3 PH + N + PE) to main switch according to local regulations
4	Main switch lockable
5	Connection for the protective potential equalization according to DIN 60204
6	Protective bonding all 10 m
7	Empty pipe DN 40 with taut wire to hydraulic unit and control unit

Power supply/system performance

- power supply: 400 Volt, 50 Hz, 3 phase
- system performance: $2 \times 4,0 \text{ kW}$

All other components are part of our scope of delivery.

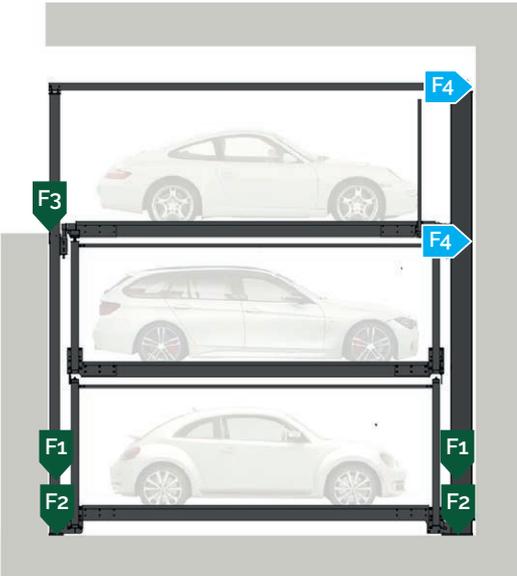
GATES

The design and fixation of the gates is dependent on the building site and project requirements.

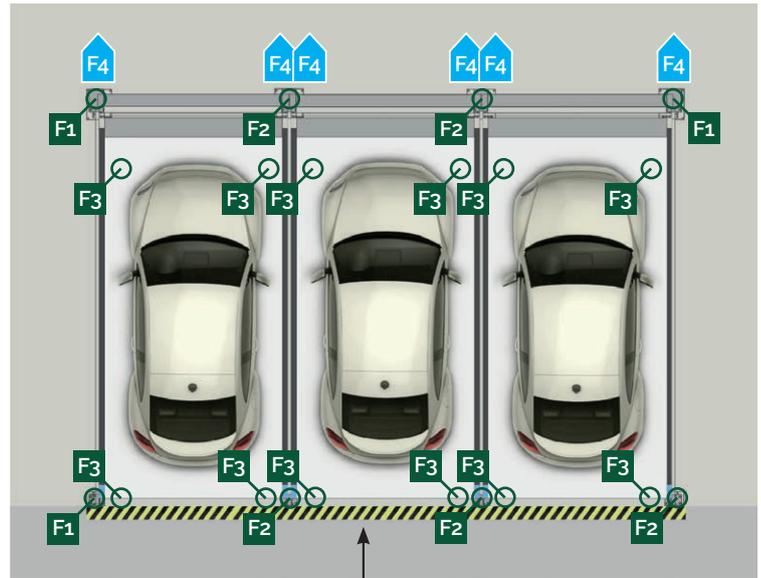
We offer customized solutions for each project needs.

Please contact us with your planning. We would be pleased to give you advise.

CONSTRUCTION REQUIREMENTS (see also planning notes)



Stand-alone installation or fixation at a rear wall



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	2300 kg	2600 kg
F1	24 kN	26 kN	28 kN
F2	43 kN	48 kN	52 kN
F3	9 kN	11 kN	13 kN
F4	10 kN	12 kN	14 kN

Horizontal forces

- F1** Start column + end column
- F2** Middle columns
- F3** Guide rails (4 rollers per platform)

Vertical forces

- F4** When fixation at a rear wall.

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.

WALLS

Walls on the entry side and rear are to be made of concrete and completely flat (without protruding parts).

PLANNING NOTES**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**

The parking garage must be adequately ventilated.

**Lighting**

The parking spaces must be adequately 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.

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